



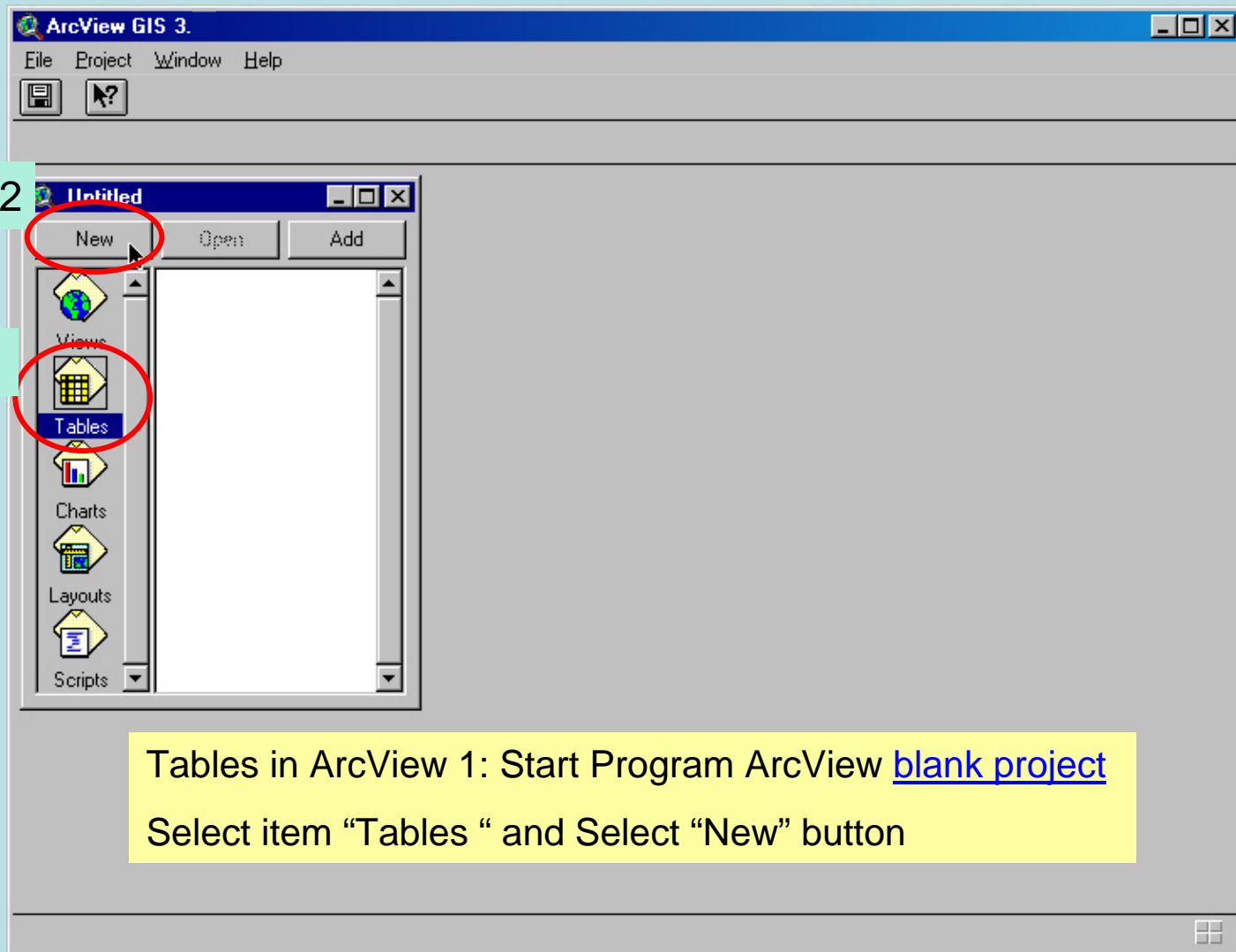
ArcView GIS

Version 3.1

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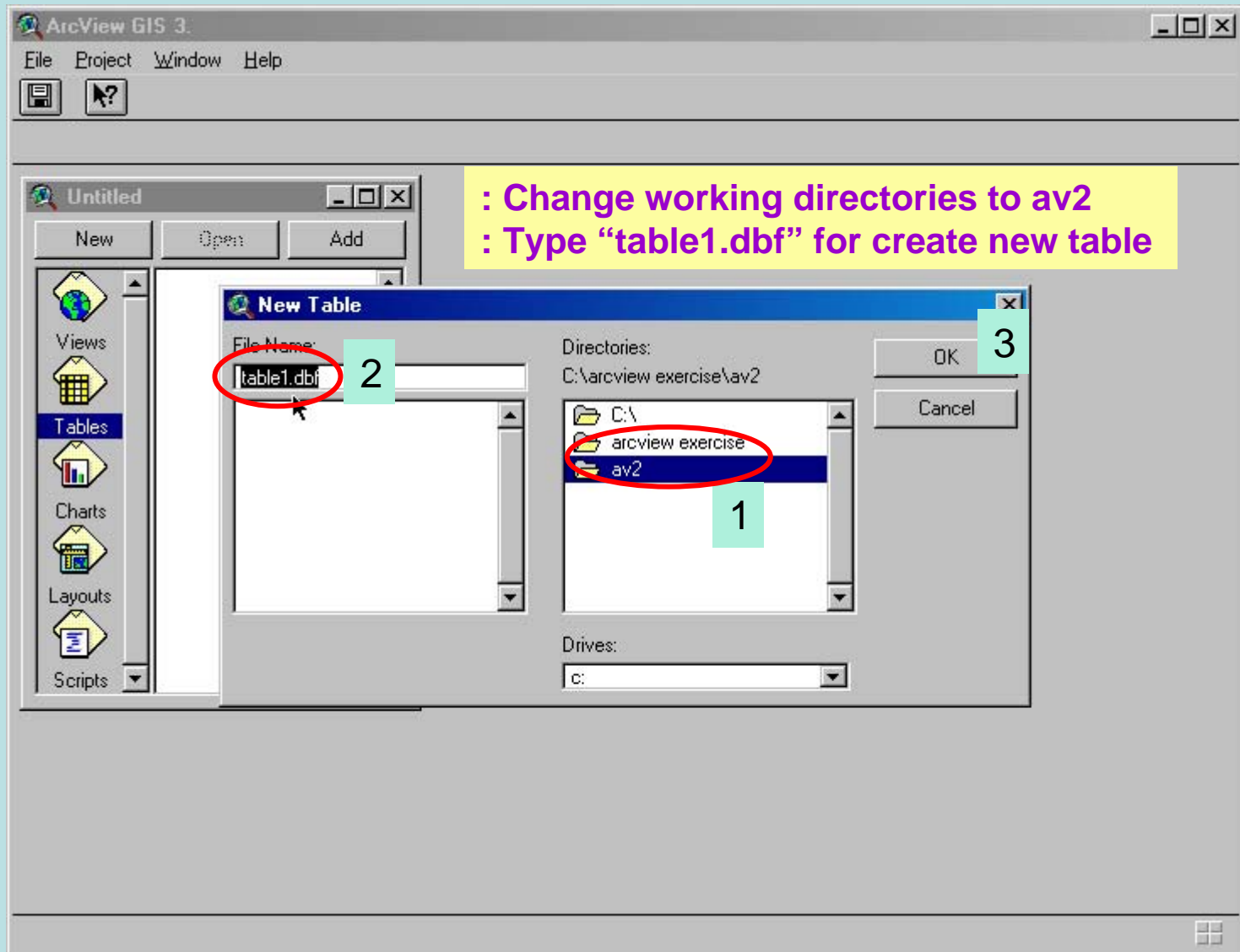
Table

Create Table by using Tables Icon

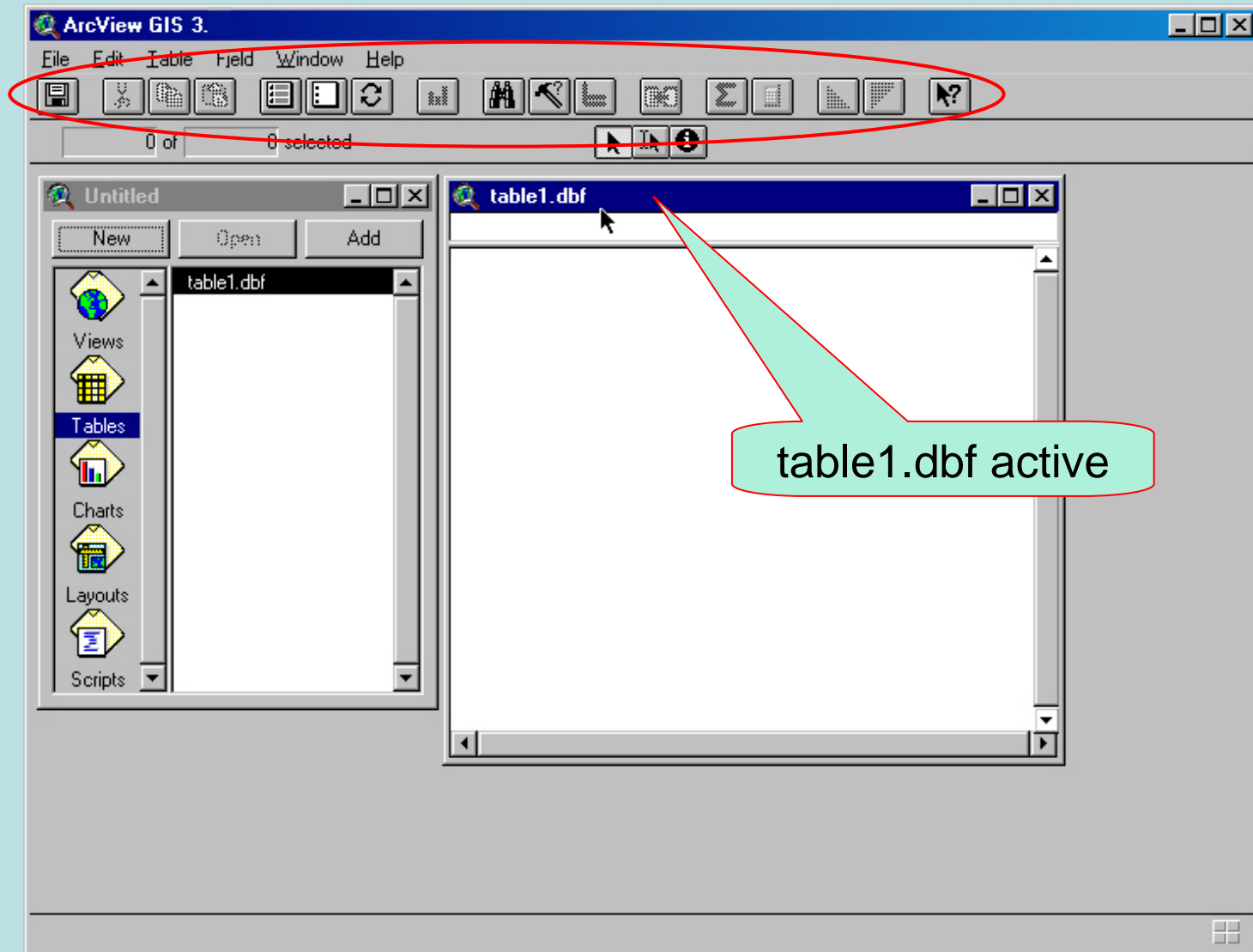


Tables in ArcView 1: Start Program ArcView [blank project](#)
Select item "Tables " and Select "New" button

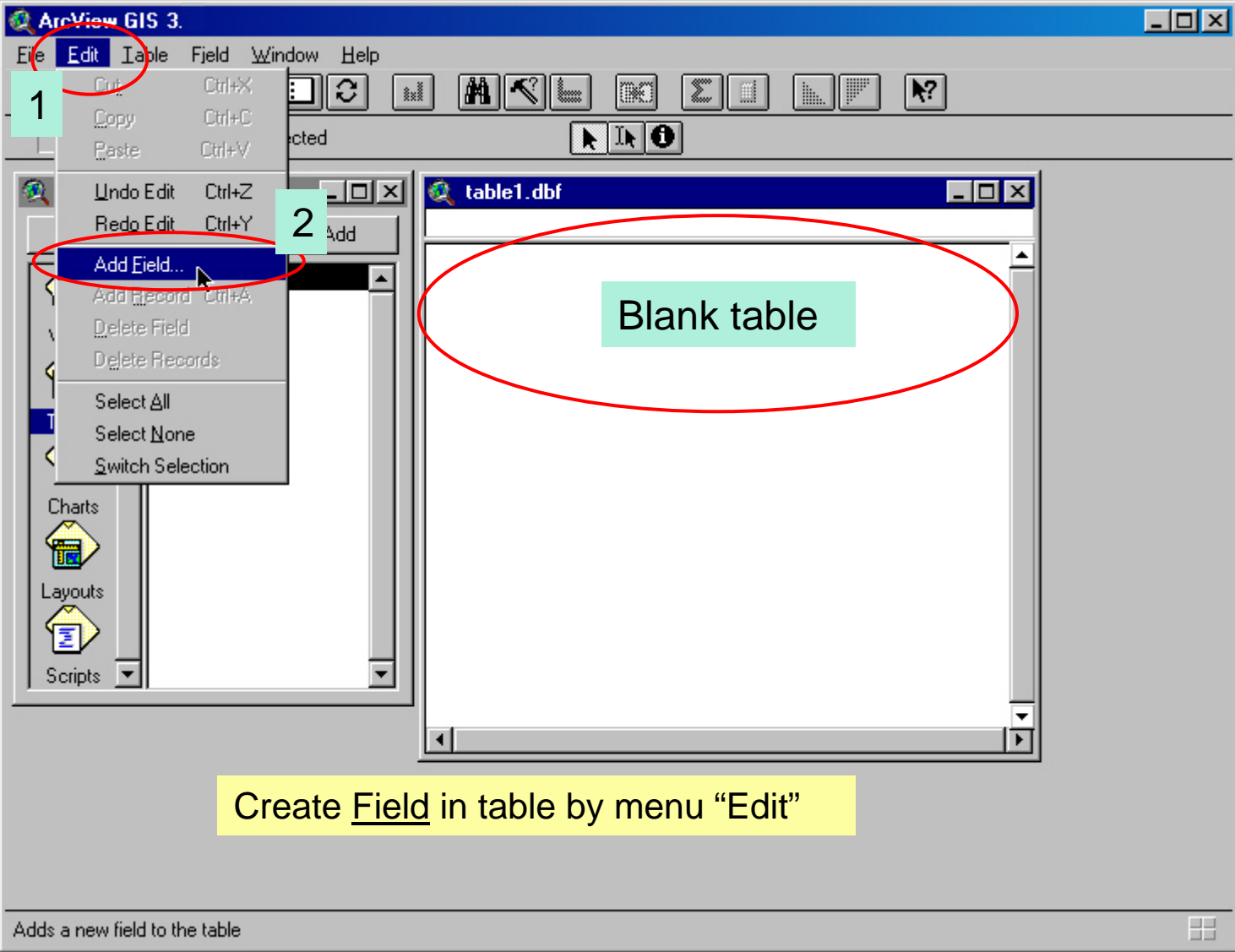
Create Table by using Tables Icon



Create Table by using Tables Icon



Create Table by using Tables Icon



1

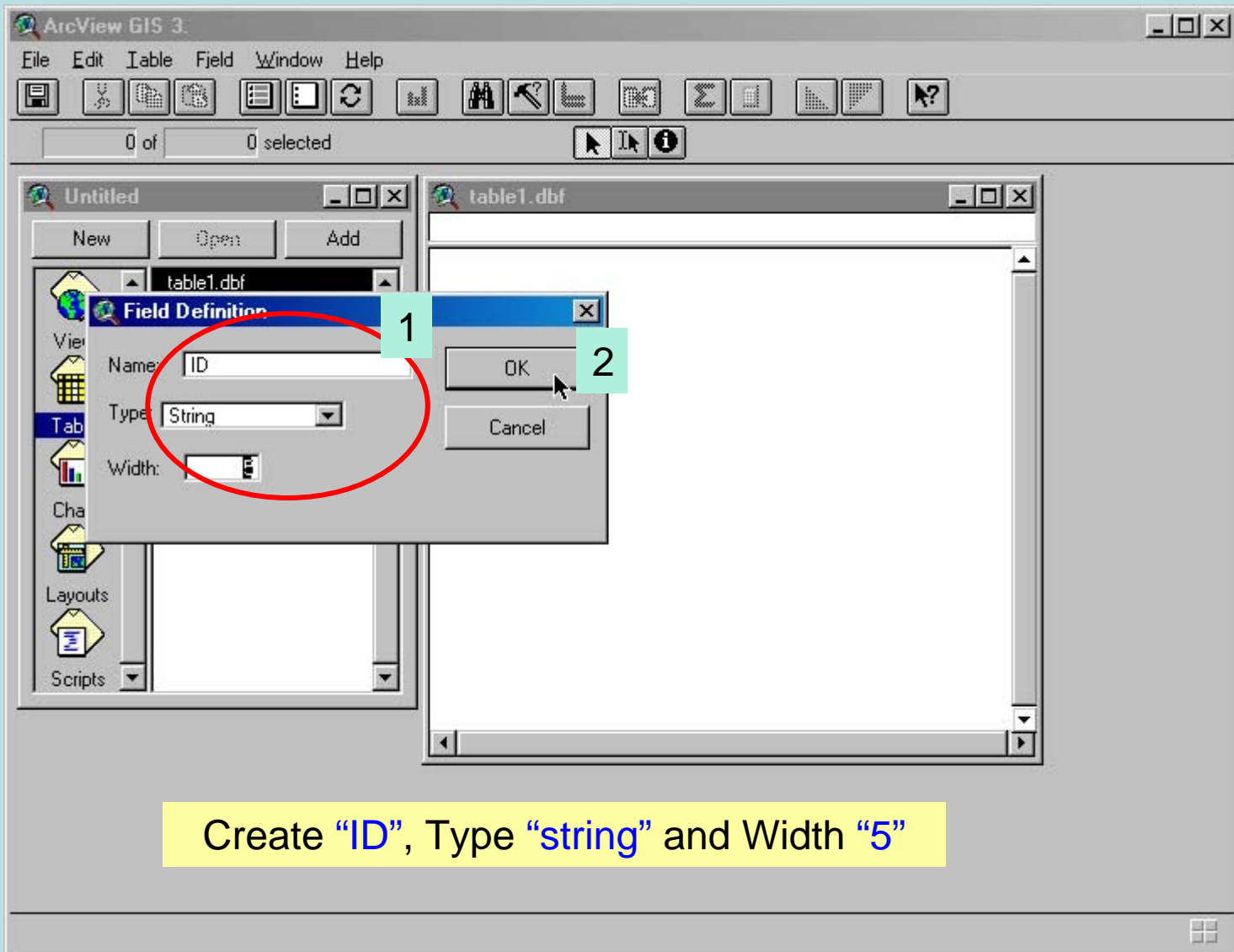
2

Blank table

Create Field in table by menu "Edit"

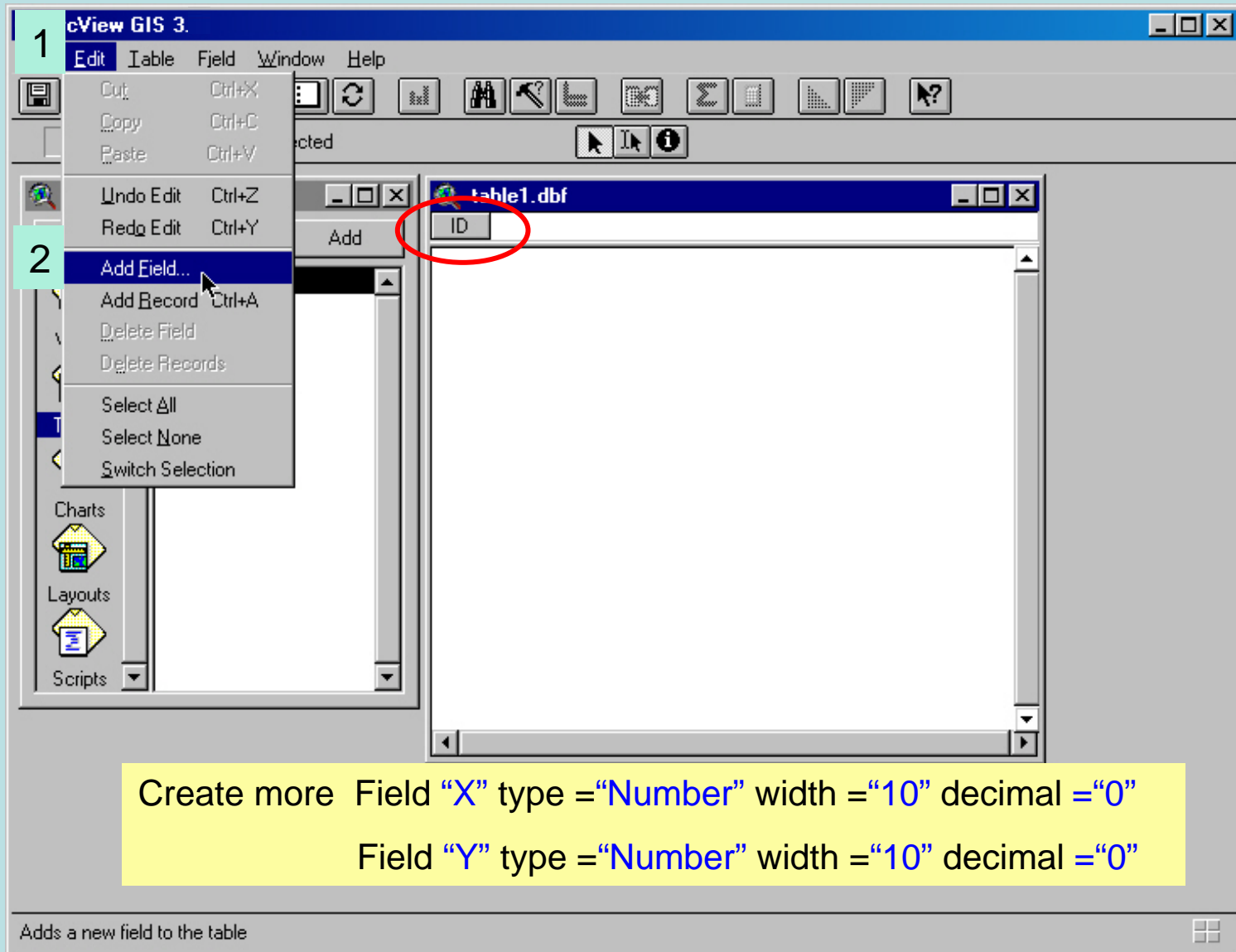
Adds a new field to the table

Create Table by using Tables Icon



Create "ID", Type "string" and Width "5"

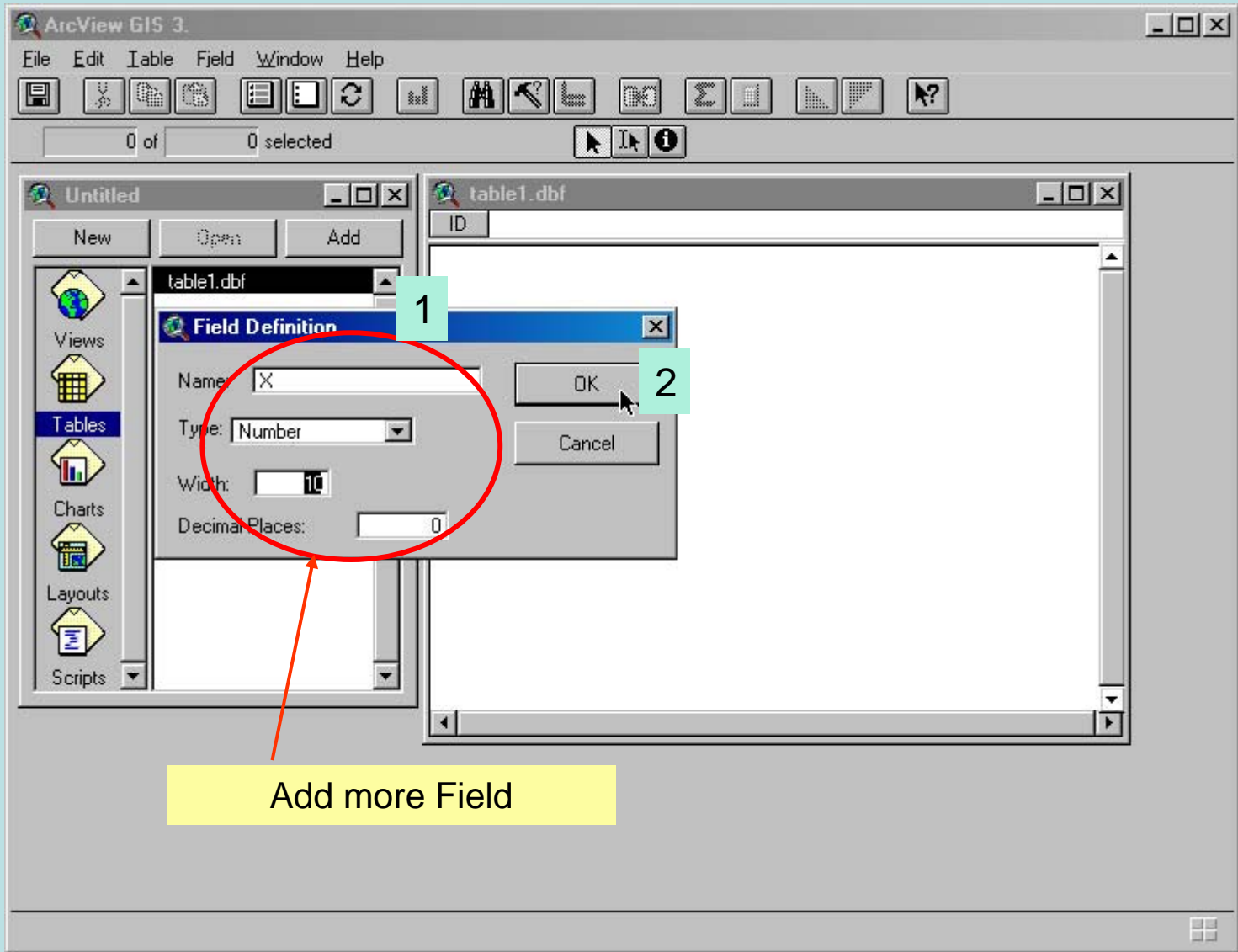
Create Table by using Tables Icon



The screenshot shows the cView GIS 3.0 interface. The 'Edit' menu is open, and the 'Add Field...' option is highlighted with a green box labeled '2'. The table window 'table1.dbf' is open, showing a table with one column named 'ID', which is circled in red. The status bar at the bottom indicates 'Adds a new field to the table'.

Create more Field "X" type = "Number" width = "10" decimal = "0"
 Field "Y" type = "Number" width = "10" decimal = "0"

Create Table by using Tables Icon

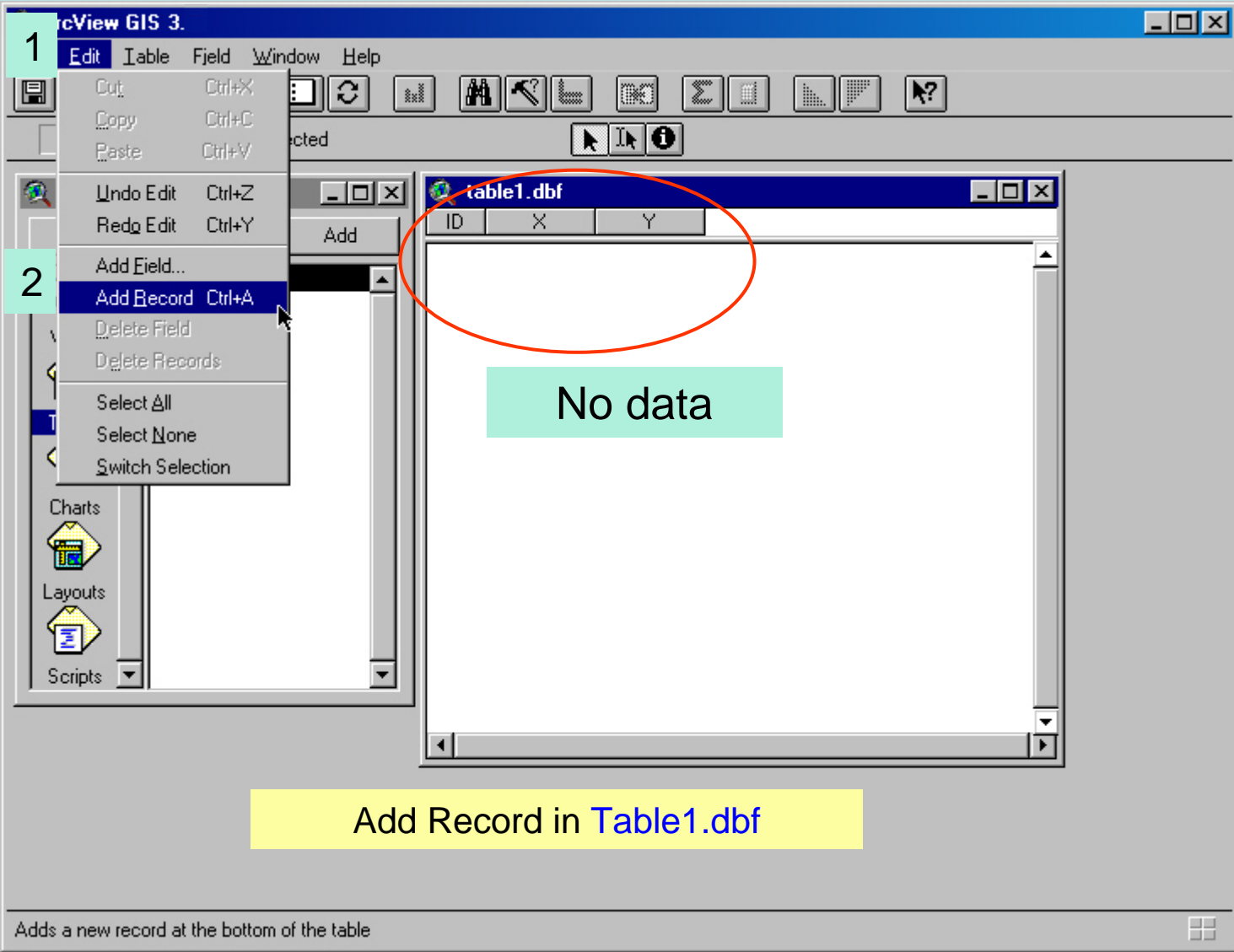


The screenshot shows the ArcView GIS 3.0 interface. The 'Tables' icon in the left toolbar is circled in red, with a red arrow pointing to a yellow box labeled 'Add more Field'. The 'Field Definition' dialog box is open, with a green '1' next to its title bar and a green '2' next to the 'OK' button. The dialog box contains the following fields:

- Name: X
- Type: Number
- Width: 10
- Decimal Places: 0

The 'OK' button is highlighted with a green '2'.

Create Table by using Tables Icon

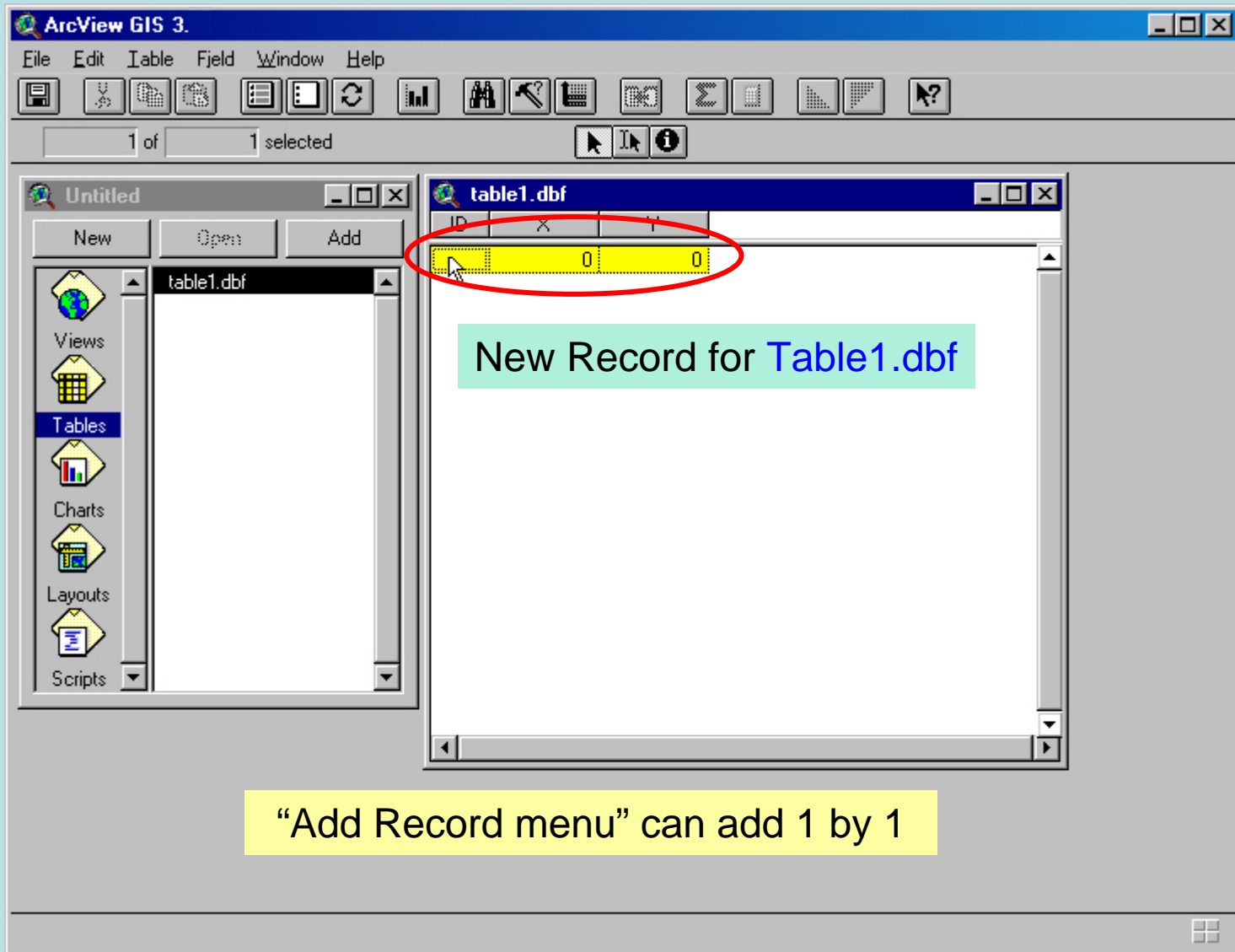


The screenshot shows the ArcView GIS 3.1a interface. The 'Edit' menu is open, and the 'Add Record' option (Ctrl+A) is highlighted. A red circle highlights the 'table1.dbf' window, which contains a table with three columns: ID, X, and Y. The table is currently empty, with a green box in the center stating 'No data'. The status bar at the bottom of the window reads: 'Adds a new record at the bottom of the table'.

ID	X	Y
----	---	---

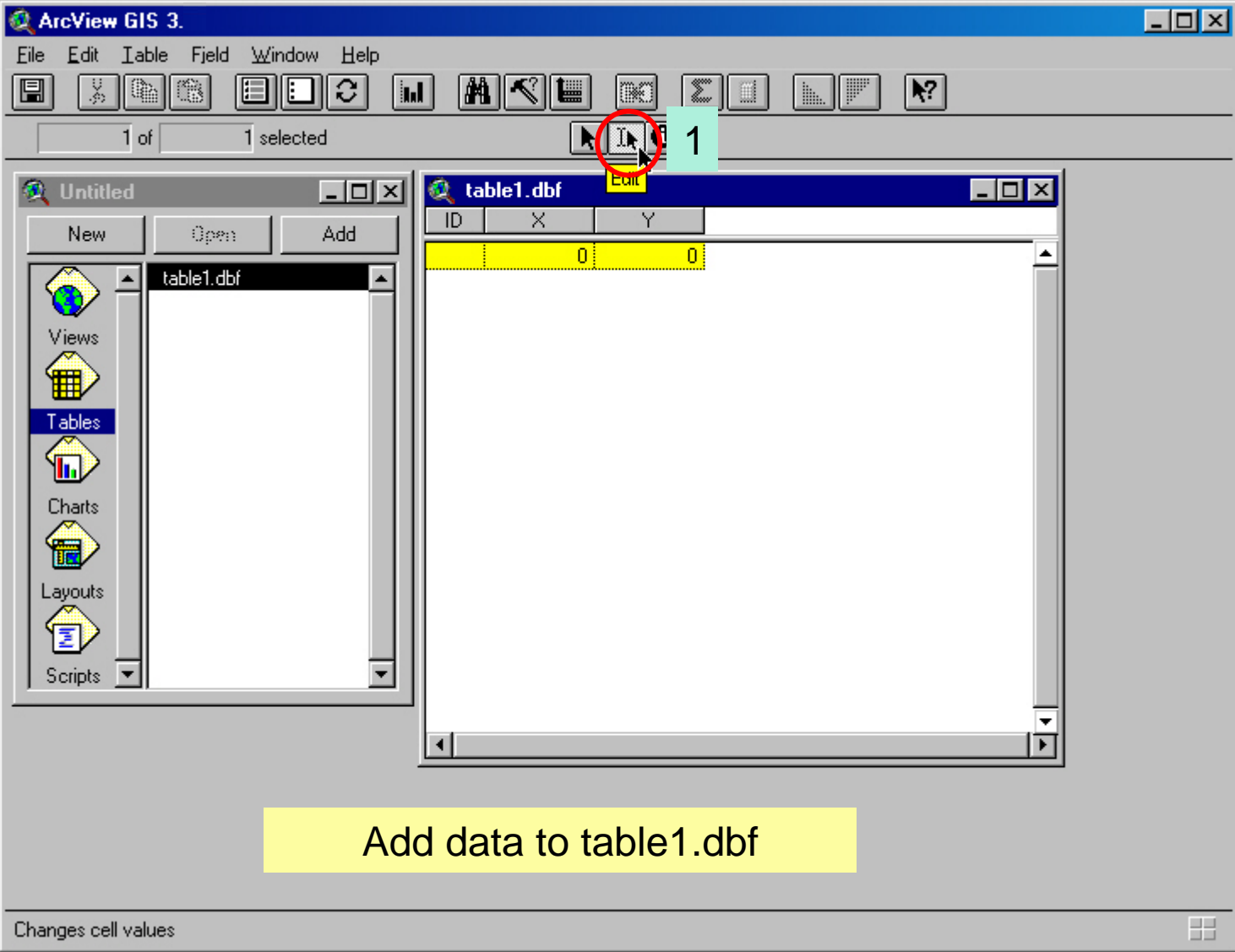
Add Record in **Table1.dbf**

Create Table by using Tables Icon



“Add Record menu” can add 1 by 1

Create Table by using Tables Icon



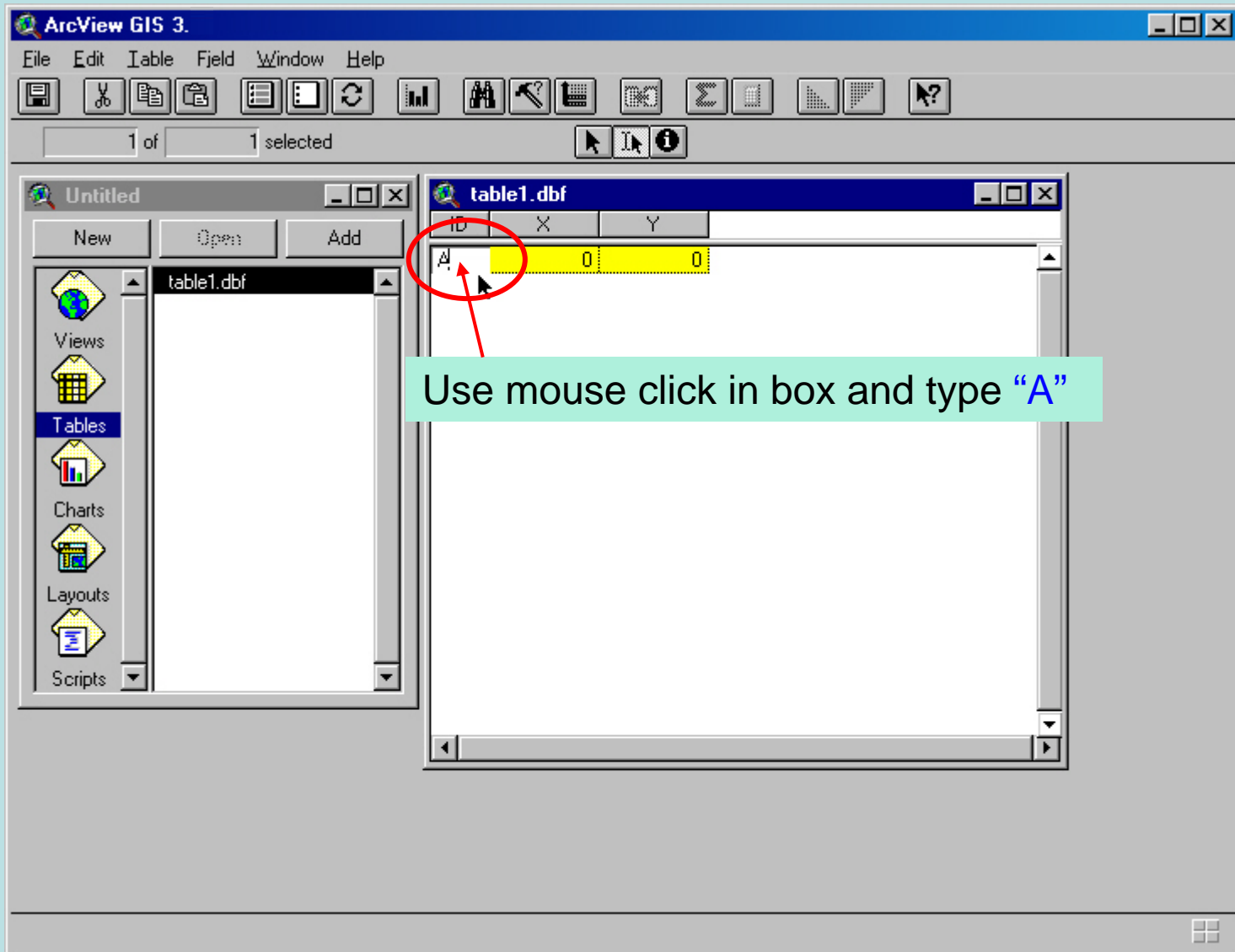
1

ID	X	Y
0		0

Changes cell values

Add data to table1.dbf

Create Table by using Tables Icon

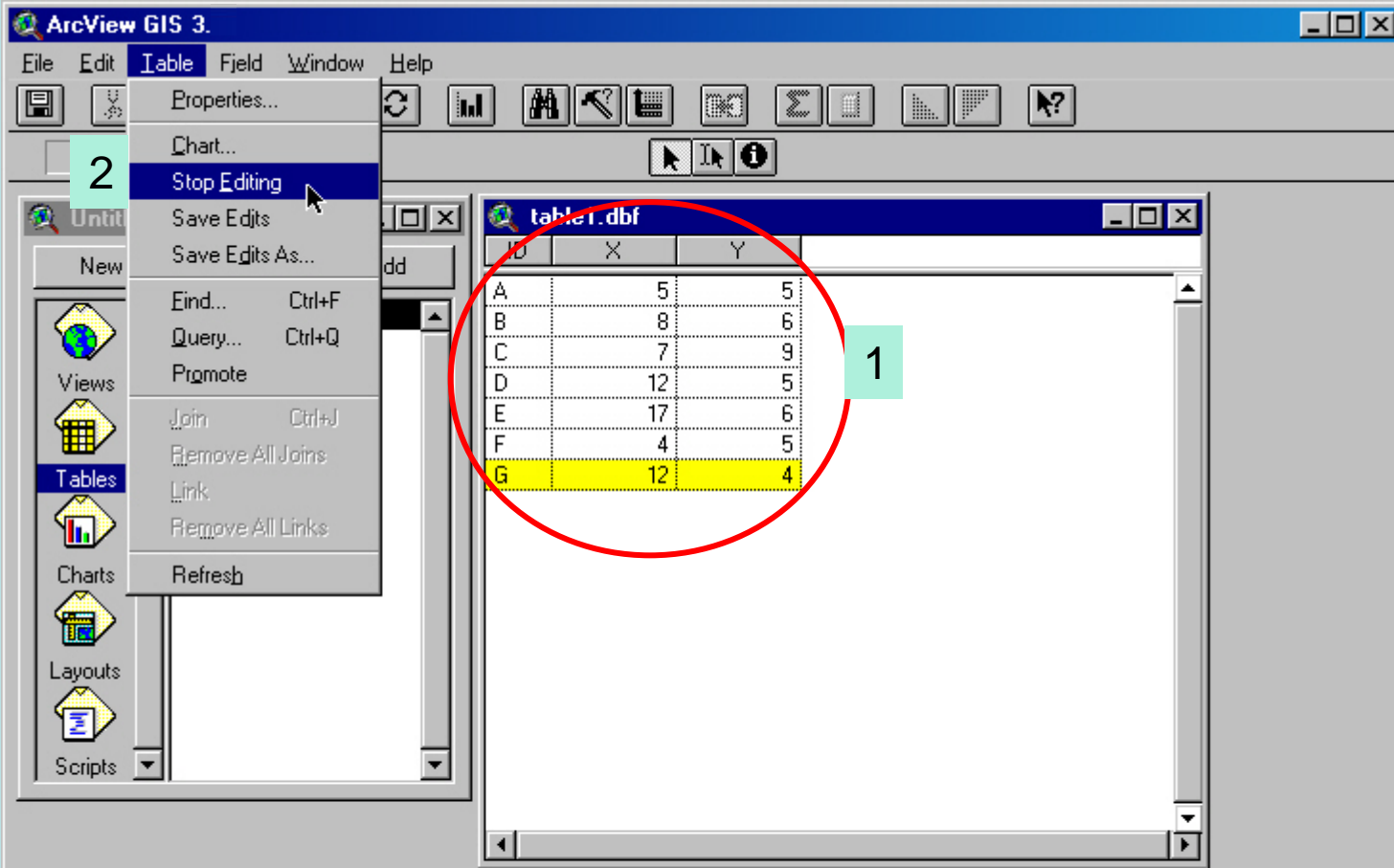


The screenshot shows the ArcView GIS 3.0 interface. The main window displays a table named 'table1.dbf' with the following data:

ID	X	Y
A	0	0

A red circle highlights the cell containing 'A' in the ID column. A callout box with a green background and black text points to this cell, containing the instruction: "Use mouse click in box and type 'A'".

Create Table by using Tables Icon



The screenshot shows the ArcView GIS 3.0 interface. The 'Table' menu is open, and the 'Stop Editing' option is highlighted. A red circle highlights the table window titled 'table1.dbf', which contains the following data:

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Two numbered callouts are present: '2' points to the 'Stop Editing' menu item, and '1' points to the table window.

1. Key data in same as table window
2. After finish key data select menu Stop Editing

Starts or stops editing of table values

Create Table by using Tables Icon

1 of 7 selected

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6

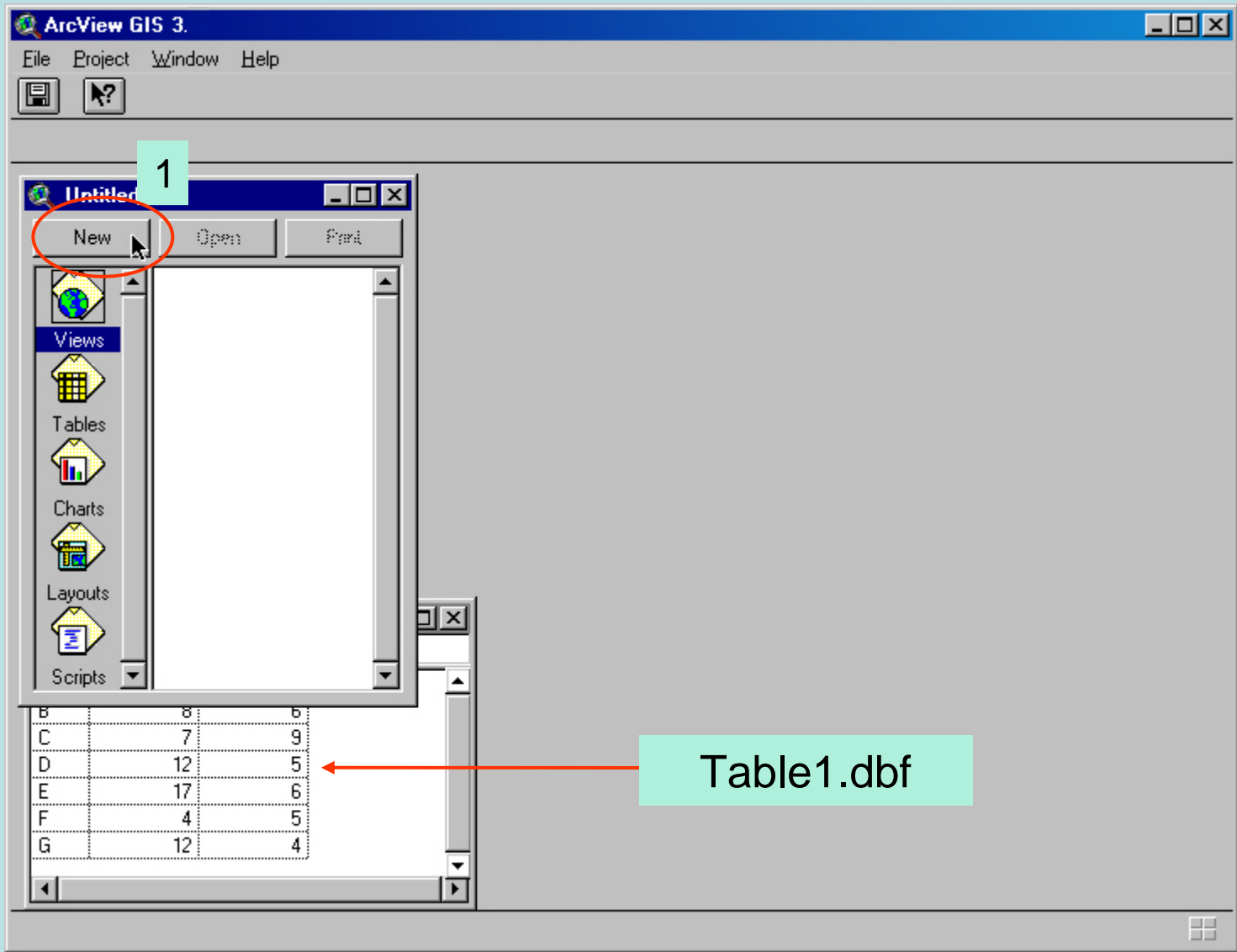
Stop Editing

Save Edits? 1

Yes No Cancel

Stop editing will ask save file

Create New Map by using Table1.dbf



ArcView GIS 3.0

File Project Window Help

1

New Open Print

Views

Tables

Charts

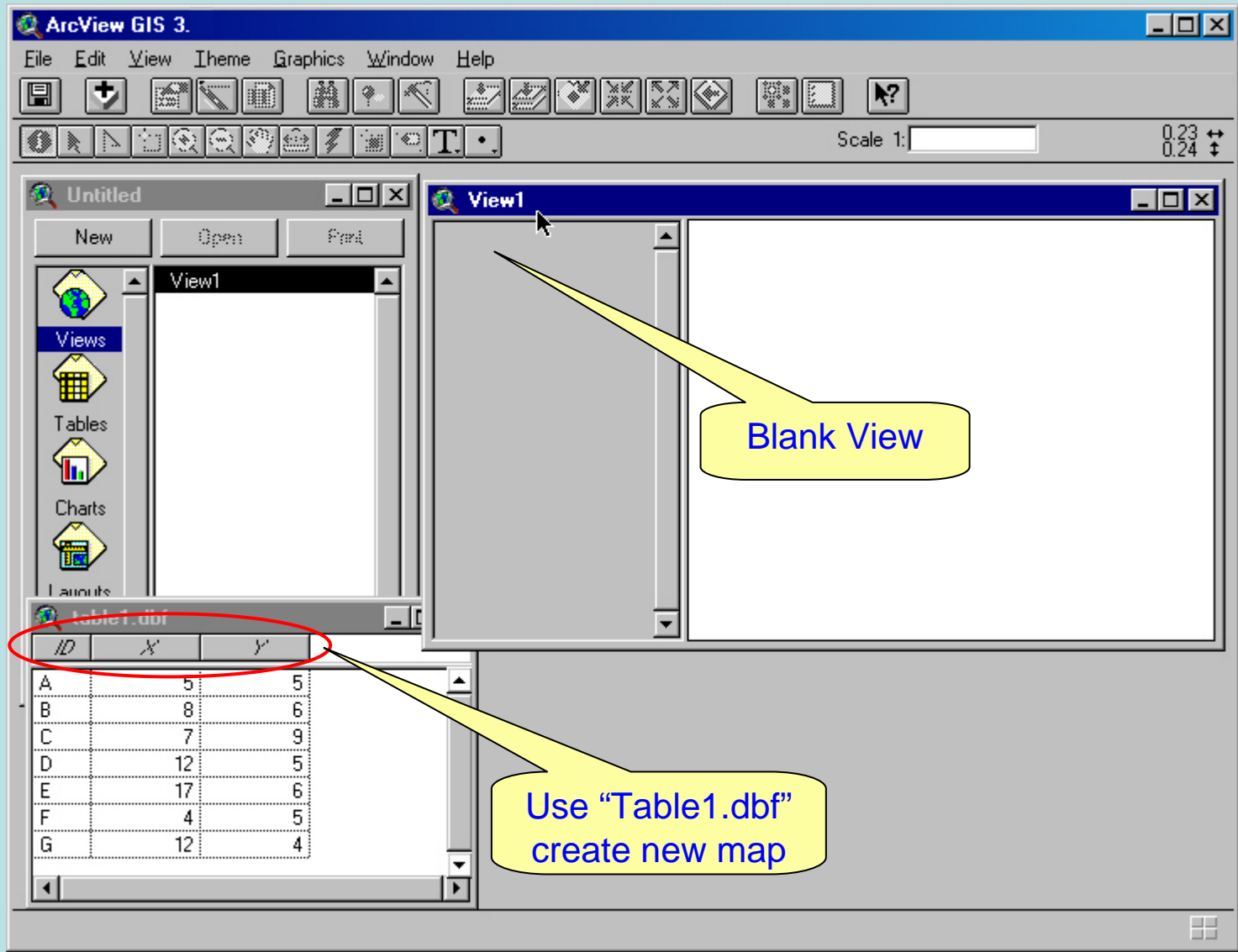
Layouts

Scripts

B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Table1.dbf

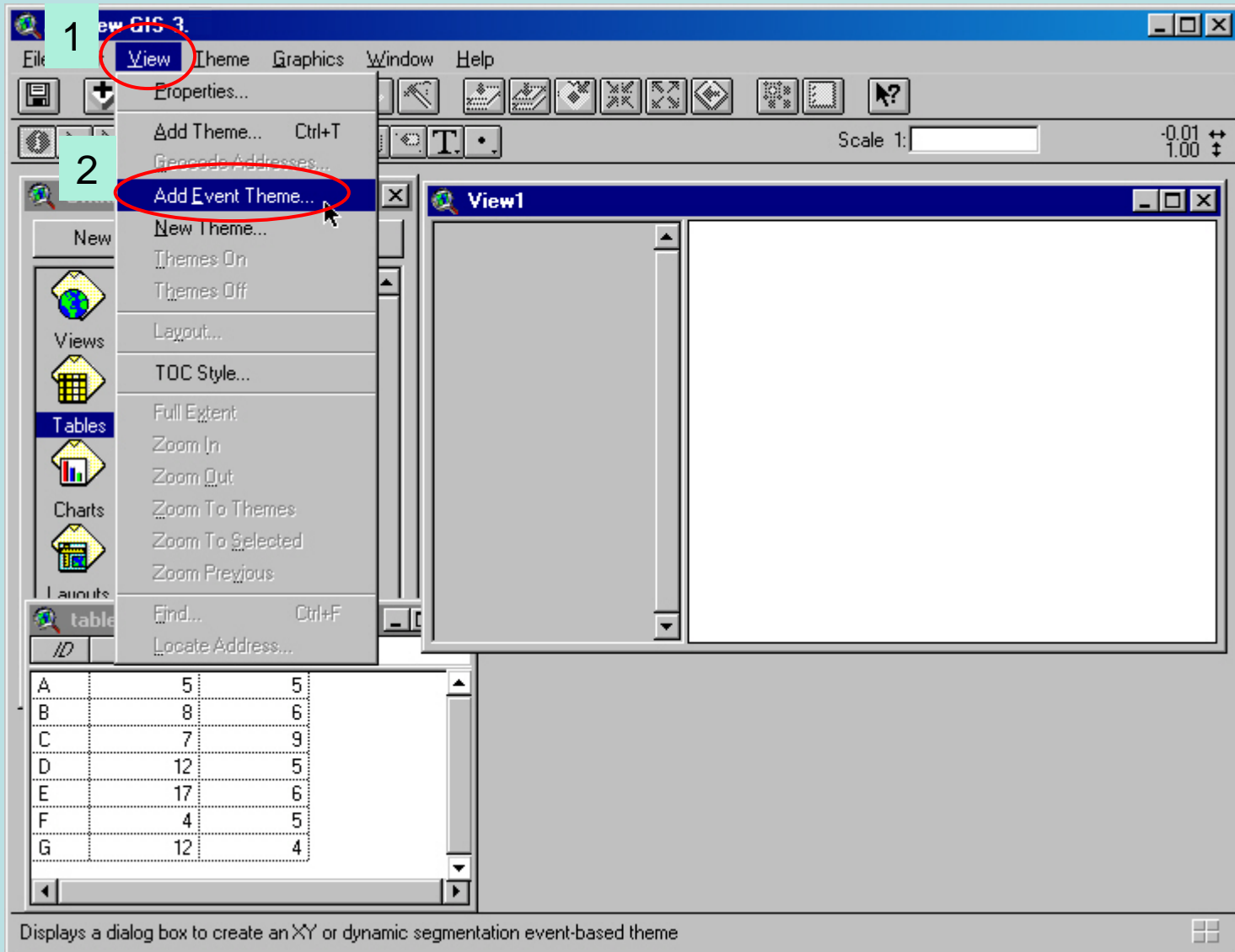
Create New Map by using Table1.dbf



The screenshot shows the ArcView GIS 3.0 interface. The main window is titled 'View1' and is currently blank. A yellow callout bubble points to this area with the text 'Blank View'. On the left, the 'Table1.dbf' window is open, displaying a data table with columns 'ID', 'X', and 'Y'. A red circle highlights the column headers, and a yellow callout bubble points to them with the text 'Use "Table1.dbf" create new map'. The interface includes a menu bar (File, Edit, View, Theme, Graphics, Window, Help), a toolbar with various GIS tools, and a scale indicator showing 'Scale 1: 0.23' and '0.24'.

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create New Map by using X Y co-ordinate from Table1.dbf



The screenshot shows the ArcView GIS 3.2a interface. The 'View' menu is open, and 'Add Event Theme...' is highlighted. A table with X and Y coordinates is visible at the bottom left.

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Displays a dialog box to create an XY or dynamic segmentation event-based theme

Create New Map by using X Y co-ordinate from Table1.dbf

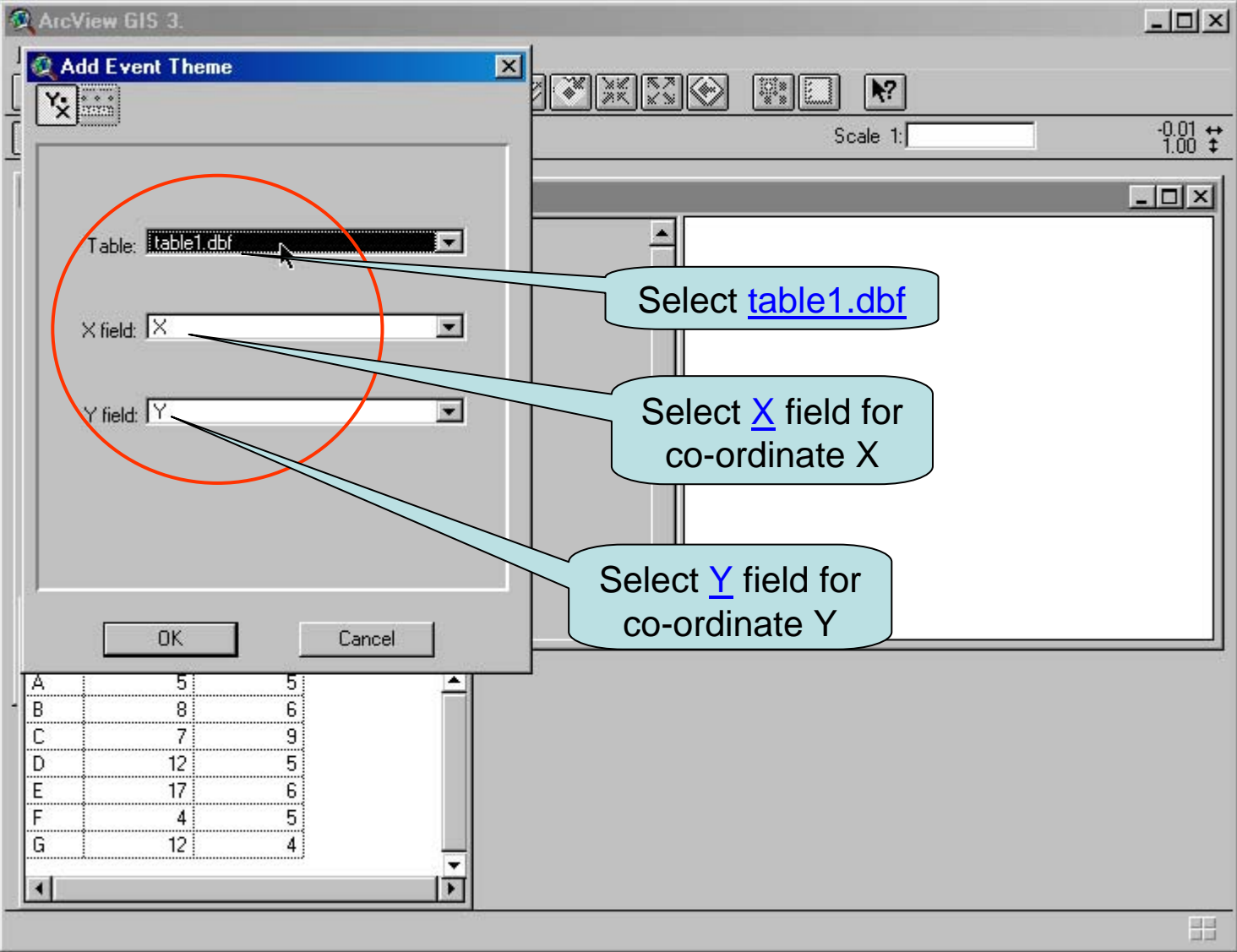


Table: table1.dbf

X field: X

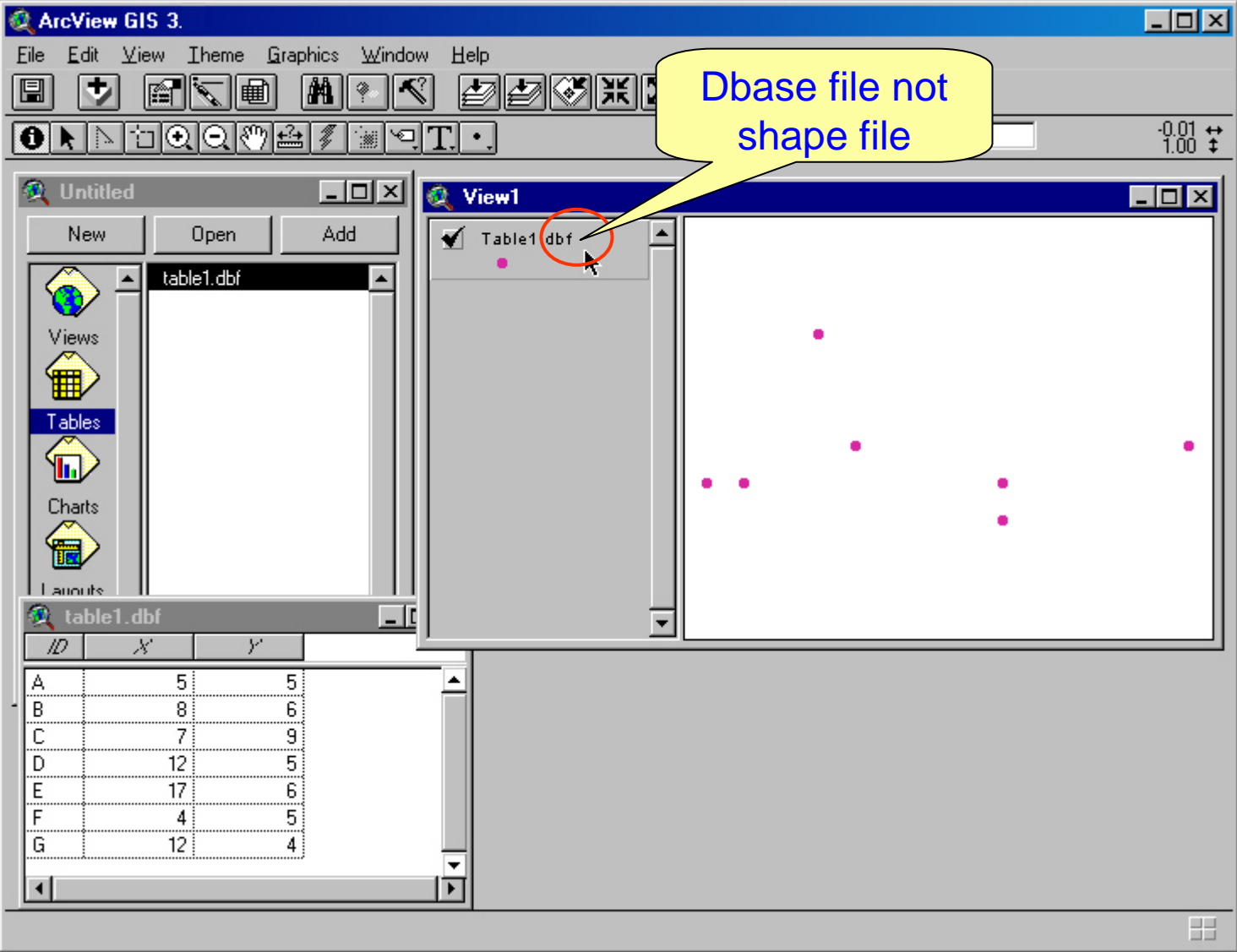
Y field: Y

Scale 1: [] -0.01
1.00

OK Cancel

A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

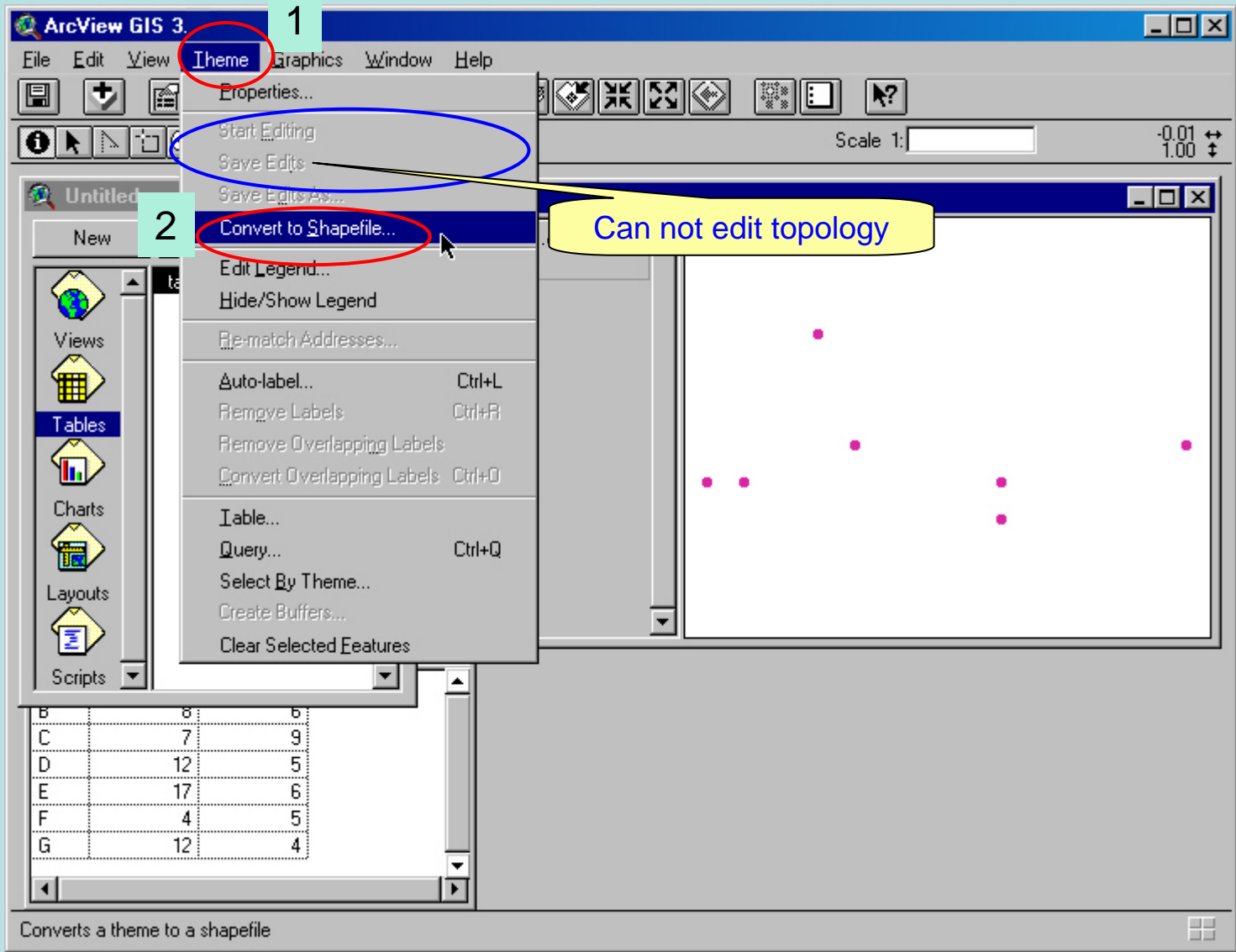
Create New Map by using X Y co-ordinate from Table1.dbf



The screenshot shows the ArcView GIS 3.0 interface. The main window displays a map view with several pink points plotted. A yellow callout bubble points to the 'Table1.dbf' entry in the 'View1' table list, with the text 'Dbase file not shape file'. Below the map, a data table window titled 'table1.dbf' is open, showing the following data:

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create New Map by using X Y co-ordinate from Table1.dbf



1

2

Can not edit topology

B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Converts a theme to a shapefile

Create New Map by using X Y co-ordinate from Table1.dbf

Convert Table1.dbf

File Name: dbf2point.shp

Directories: C:\arcview exercise\av2

av2

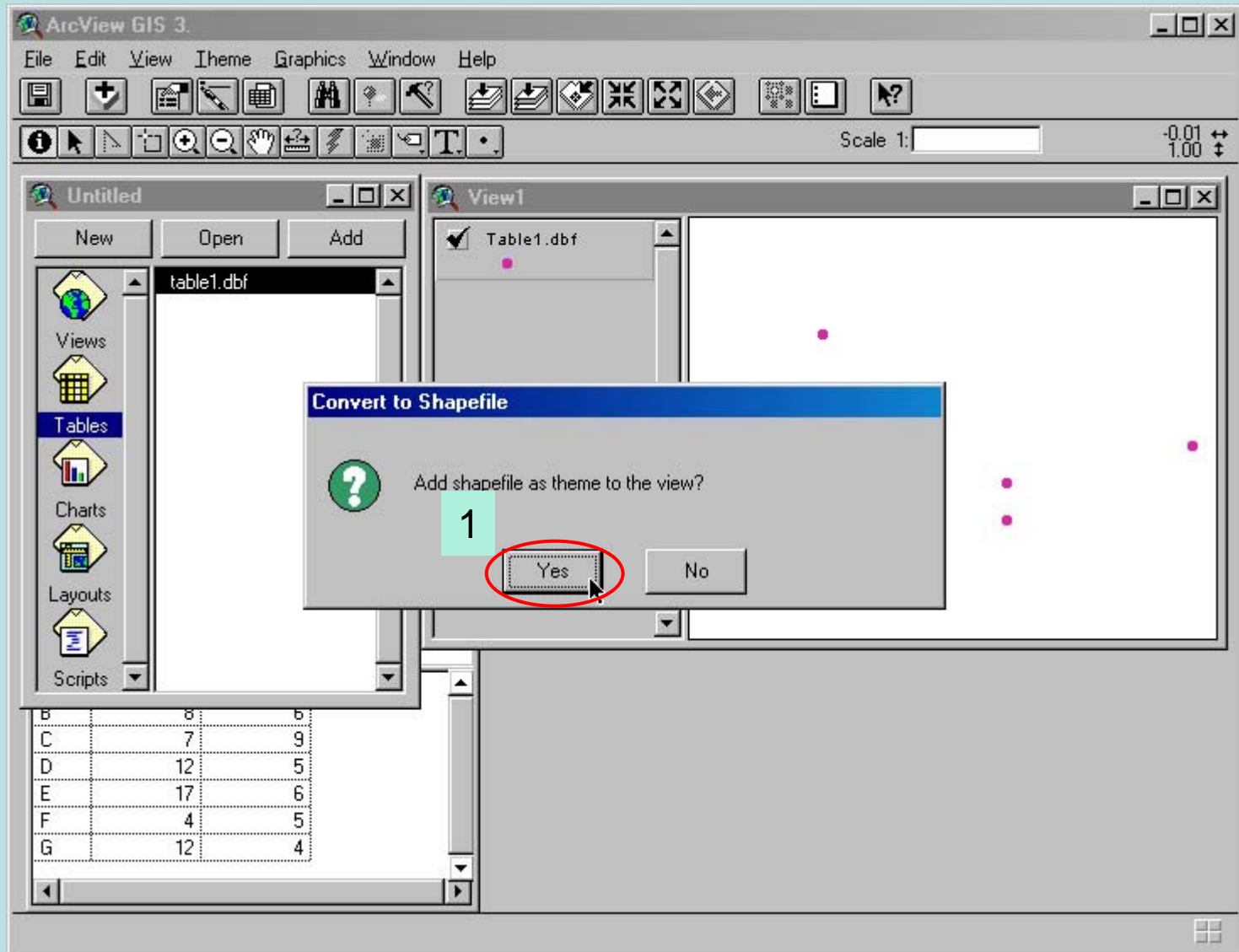
OK

Cancel

Type "dbf2point.shp"

B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

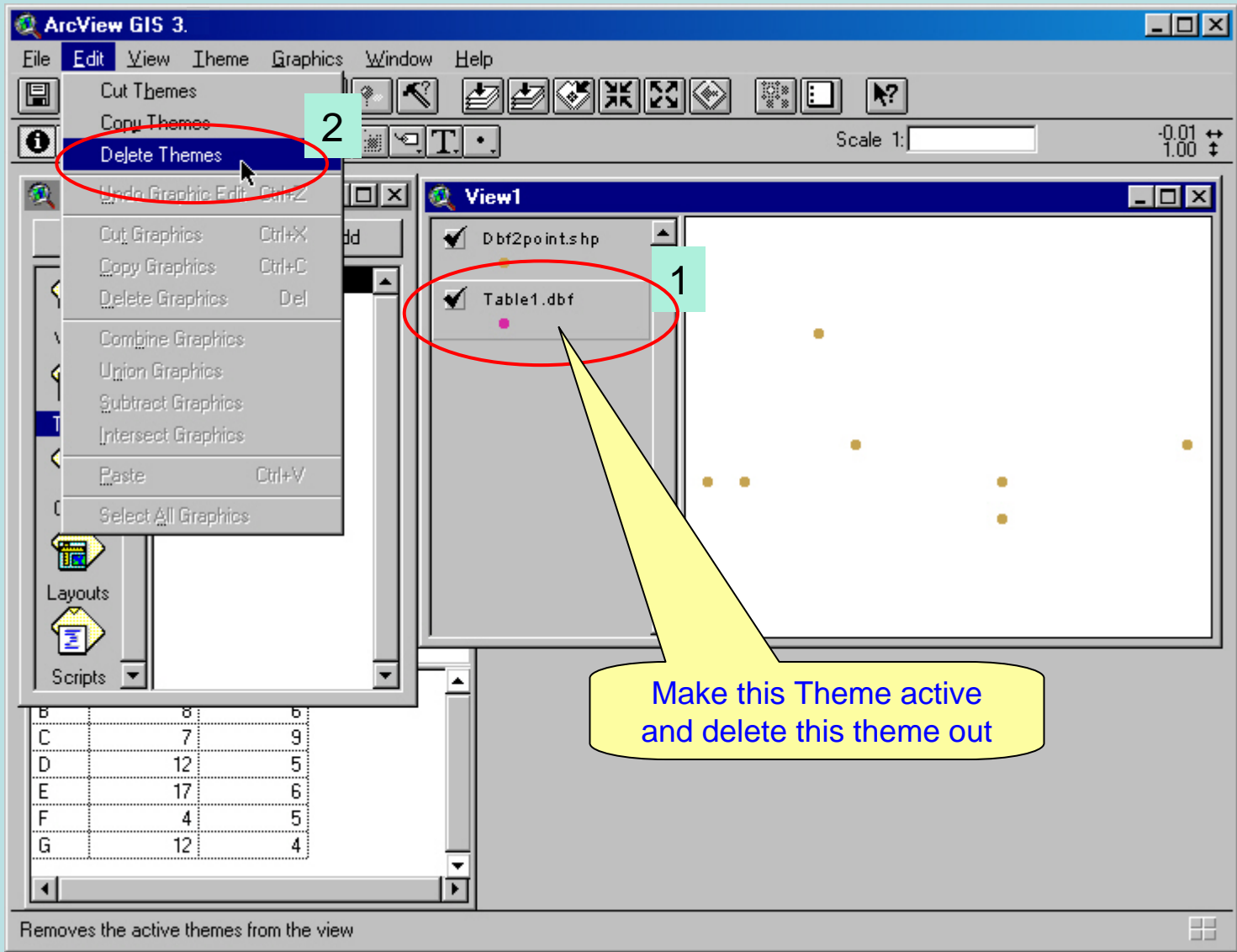
Create New Map by using X Y co-ordinate from Table1.dbf



The screenshot shows the ArcView GIS 3.0 interface. A dialog box titled "Convert to Shapefile" is open, asking "Add shapefile as theme to the view?". The "Yes" button is highlighted with a red circle and a green box containing the number "1". The background shows a table with coordinates and a map view with points.

B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create New Map by using X Y co-ordinate from Table1.dbf

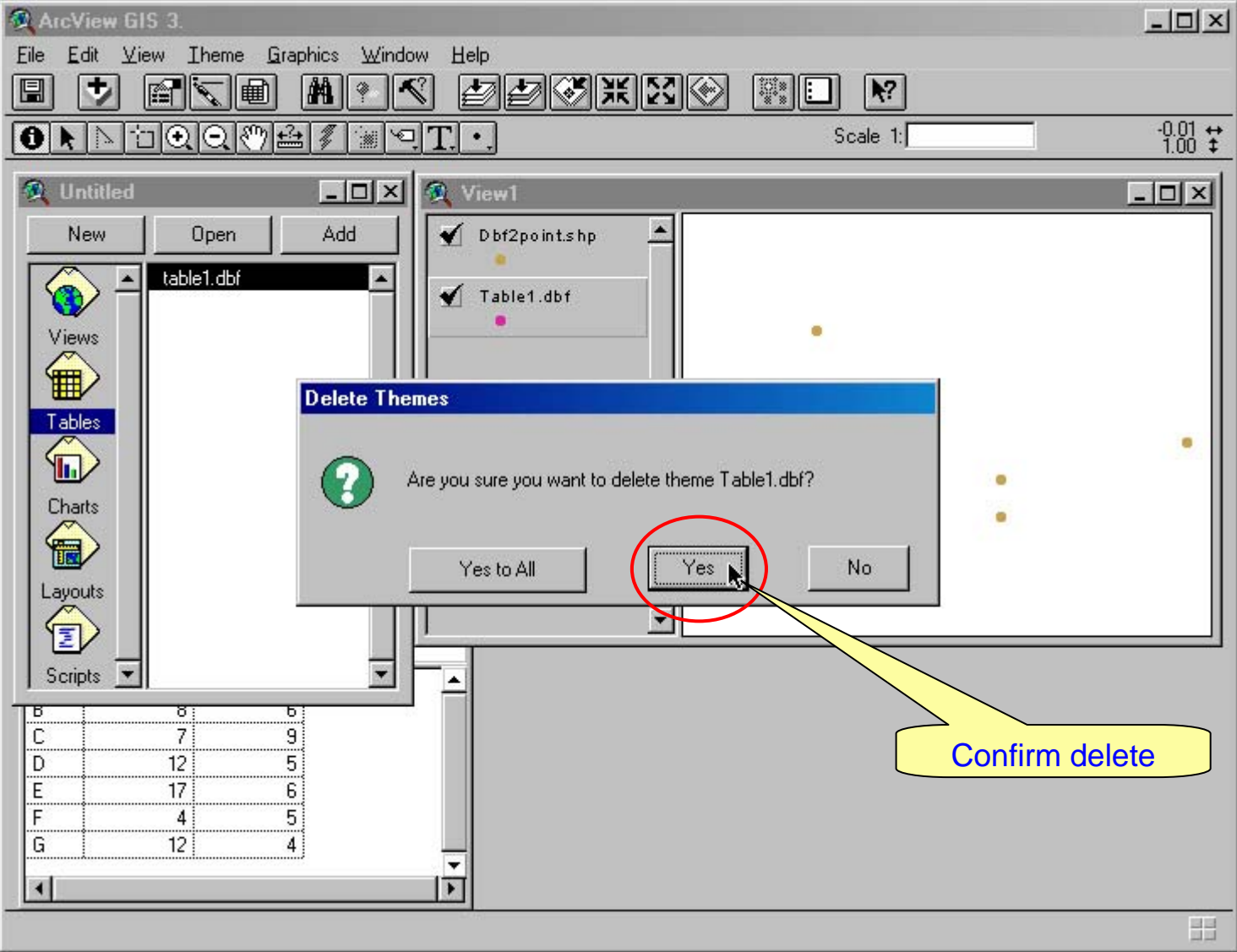


The screenshot shows the ArcView GIS 3.0 interface. The 'Edit' menu is open, and the 'Delete Themes' option is highlighted with a red circle and a green box labeled '2'. In the 'View1' window, the 'Table1.dbf' theme is selected with a red circle and a green box labeled '1'. A yellow callout bubble points to the 'Table1.dbf' theme with the text: 'Make this Theme active and delete this theme out'. The 'View1' window displays a map with several orange points. The 'Table1.dbf' theme is also visible in the 'Table of Contents' pane on the left.

B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Removes the active themes from the view

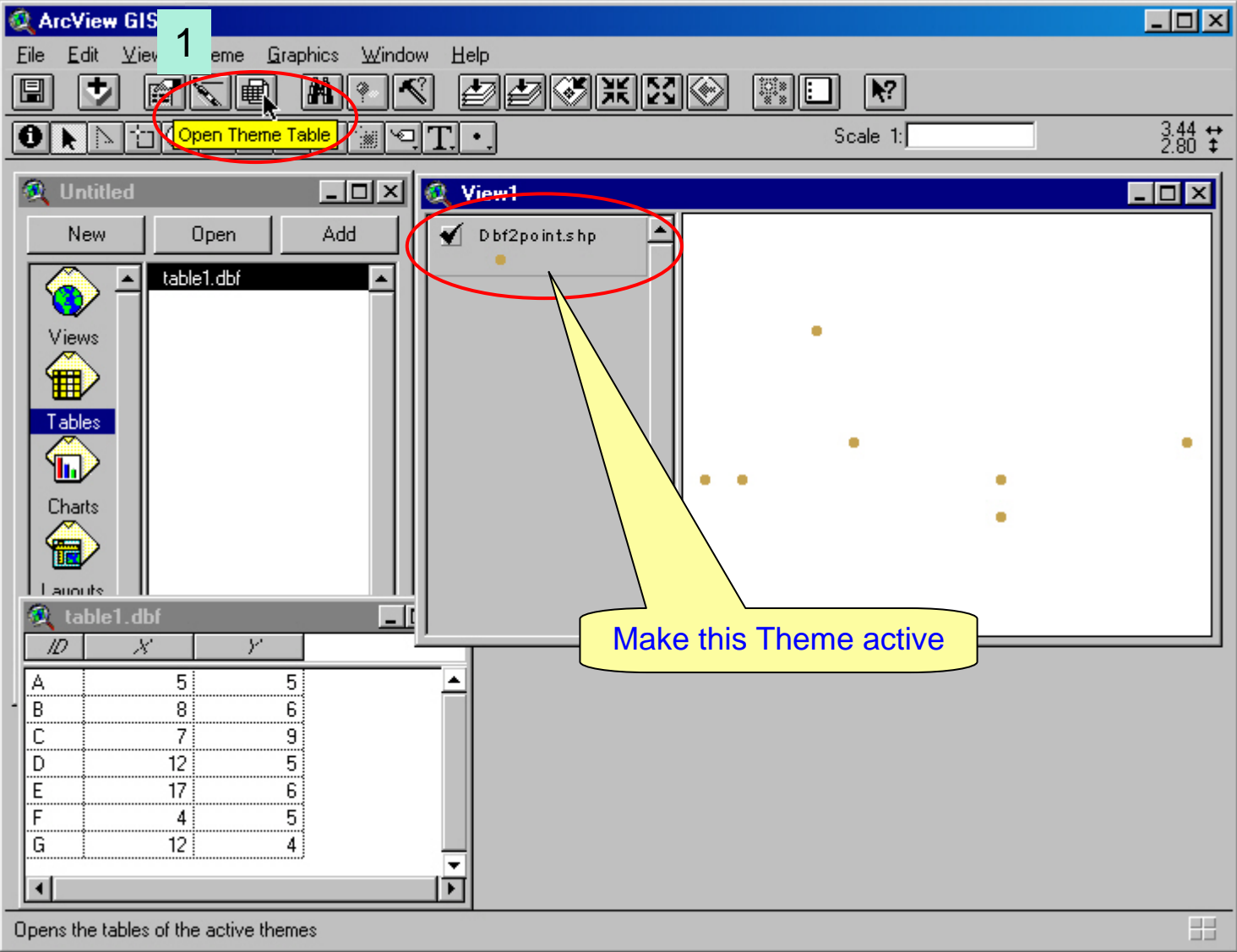
Create New Map by using X Y co-ordinate from Table1.dbf



The screenshot shows the ArcView GIS 3.0 interface. A 'Delete Themes' dialog box is open, asking for confirmation to delete the theme 'Table1.dbf'. The 'Yes' button is circled in red, and a yellow arrow points to it with the text 'Confirm delete'. The background shows the 'Table1.dbf' table with the following data:

B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create New Map by using X Y co-ordinate from Table1.dbf



1

Open Theme Table

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Make this Theme active

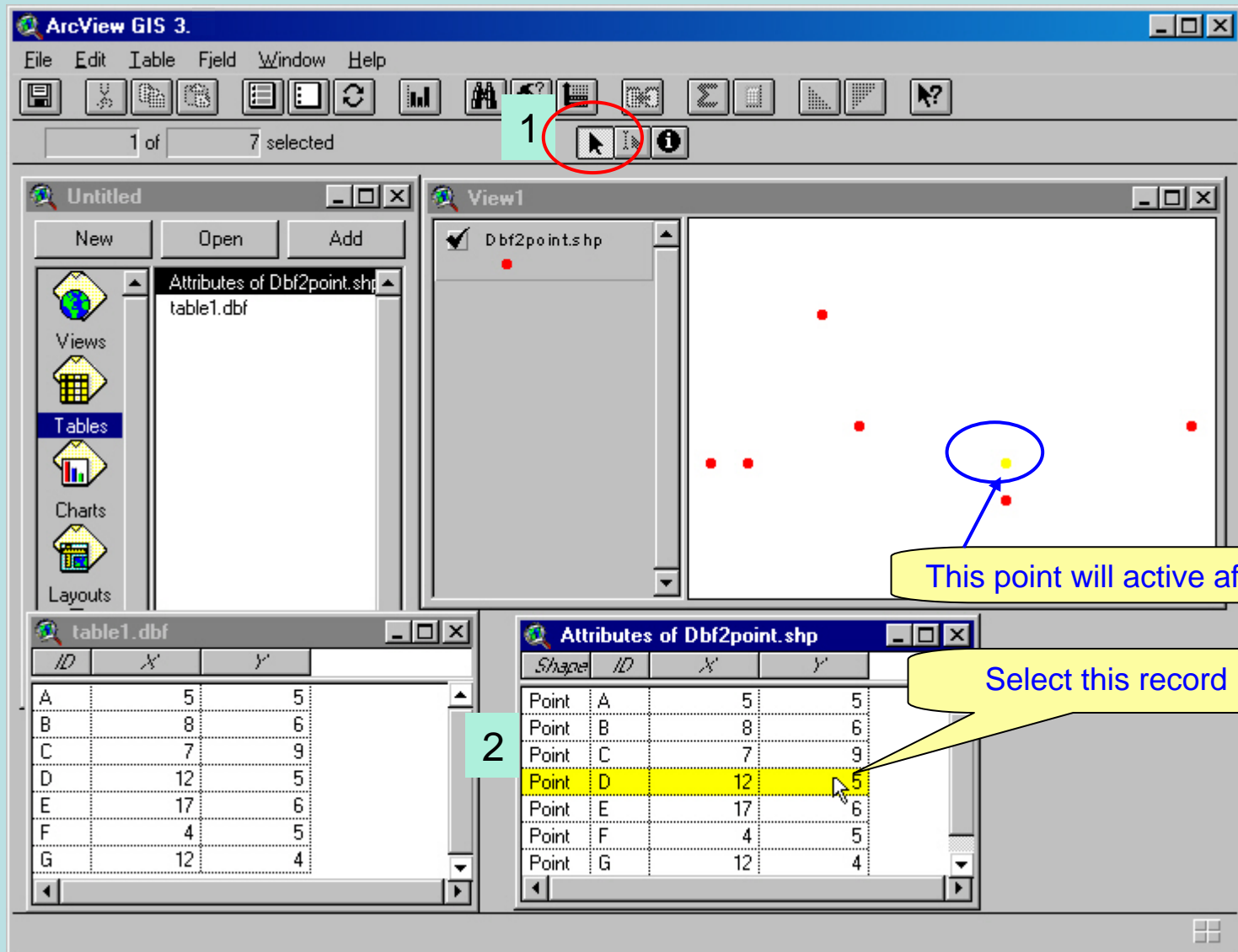
Compare between Spatial database and Non-spatial database

The screenshot shows the ArcView GIS 3.0 interface. The main window displays a map with several yellow points. A red circle highlights the 'Dbf2points.shp' layer in the 'View1' window. A yellow callout bubble labeled 'Normal Database' points to the 'table1.dbf' table in the 'Tables' panel. Another yellow callout bubble labeled 'Database of Shape format' points to the 'Attributes of Dbf2point.shp' table, which includes a 'Shape' column. A red circle also highlights the 'Attributes of Dbf2point.shp' table window.

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Shape	ID	X	Y
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Compare between Spatial database and Non-spatial database



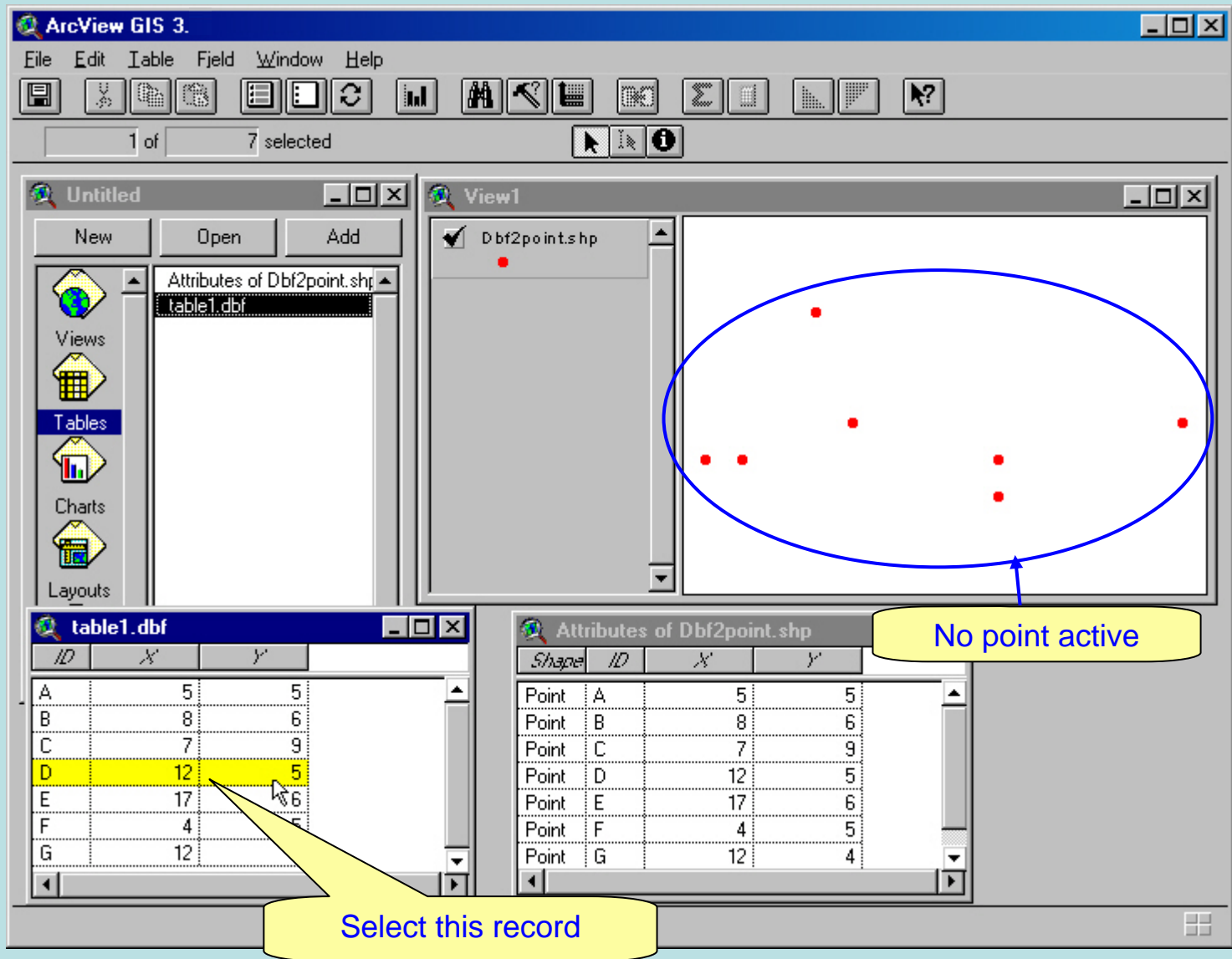
The screenshot shows the ArcView GIS 3.0 interface. The main window displays a map with several red points. A yellow point is highlighted with a blue circle, and a callout bubble points to it with the text "This point will active after select". The toolbar at the top has a red circle around the selection tool icon, with a green box containing the number "1".

The "Attributes of Dbf2point.shp" table is shown below the map, with the record for Point D highlighted in yellow. A callout bubble points to this record with the text "Select this record". A green box with the number "2" is placed next to the table.

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Compare between Spatial database and Non-spatial database



The screenshot shows the ArcView GIS 3.0 interface. The main window displays a map with several red points. A blue oval highlights a cluster of points, and a yellow callout bubble points to it with the text "No point active".

Below the map, two data tables are visible:

- table1.dbf** (Non-spatial database):

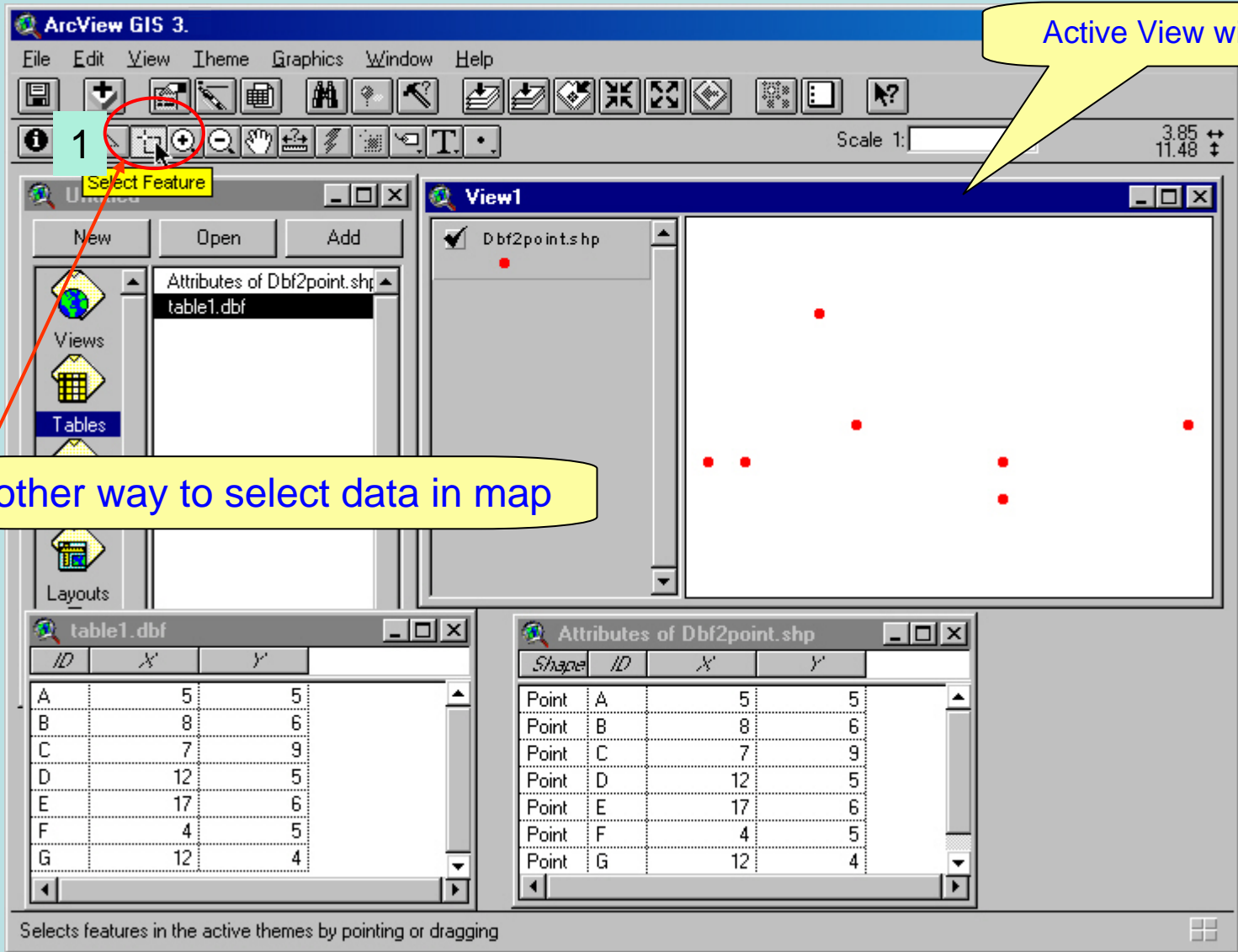
ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

- Attributes of Dbf2point.shp** (Spatial database):

Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

A yellow callout bubble points to the record for ID 'D' in the table1.dbf with the text "Select this record".

Compare between Spatial database and Non-spatial database



Active View window

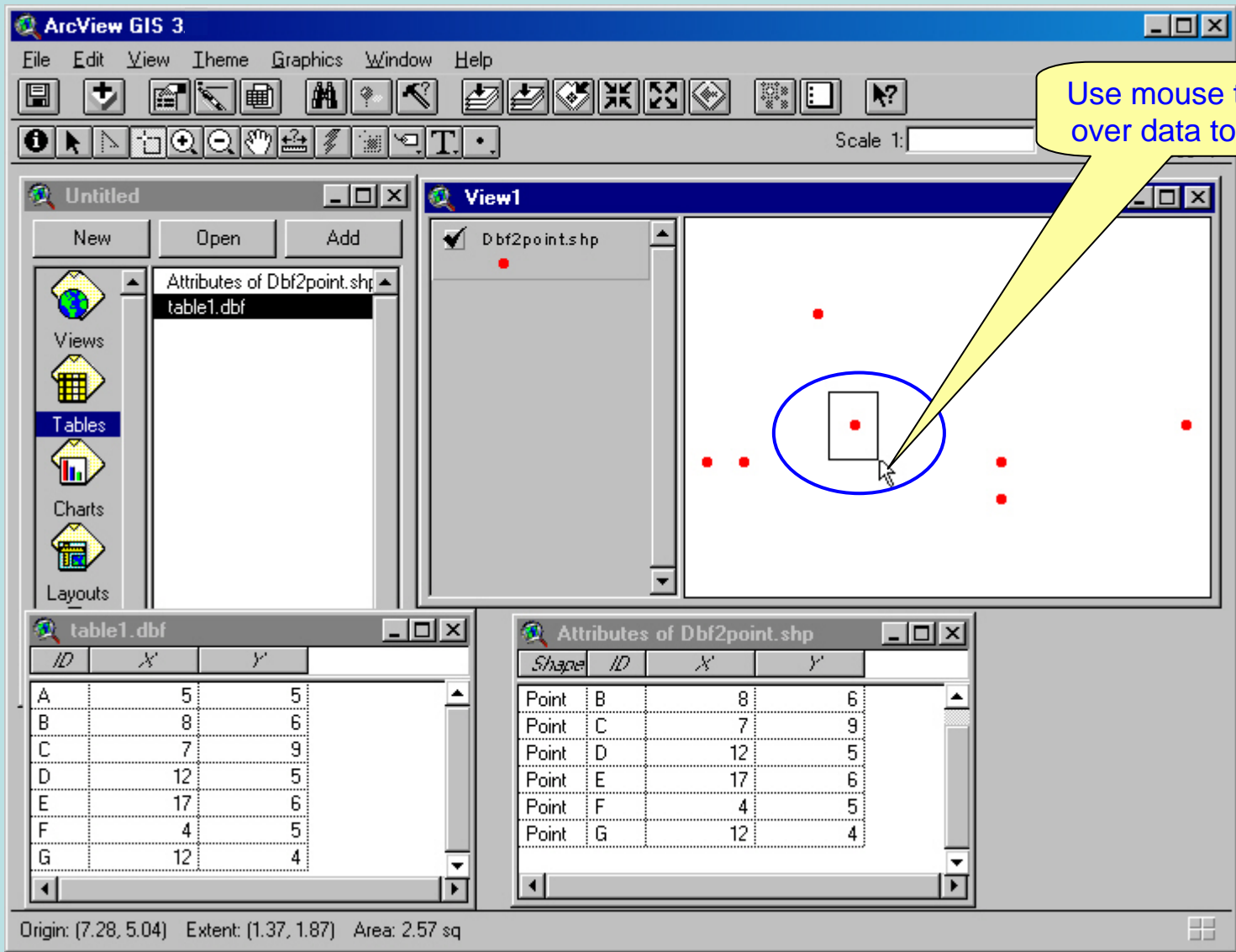
Another way to select data in map

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Selects features in the active themes by pointing or dragging

Another way to select data in map



ArcView GIS 3 interface showing a map with a selection box around a point. A callout bubble points to the selection box with the text: "Use mouse to drag over data to select".

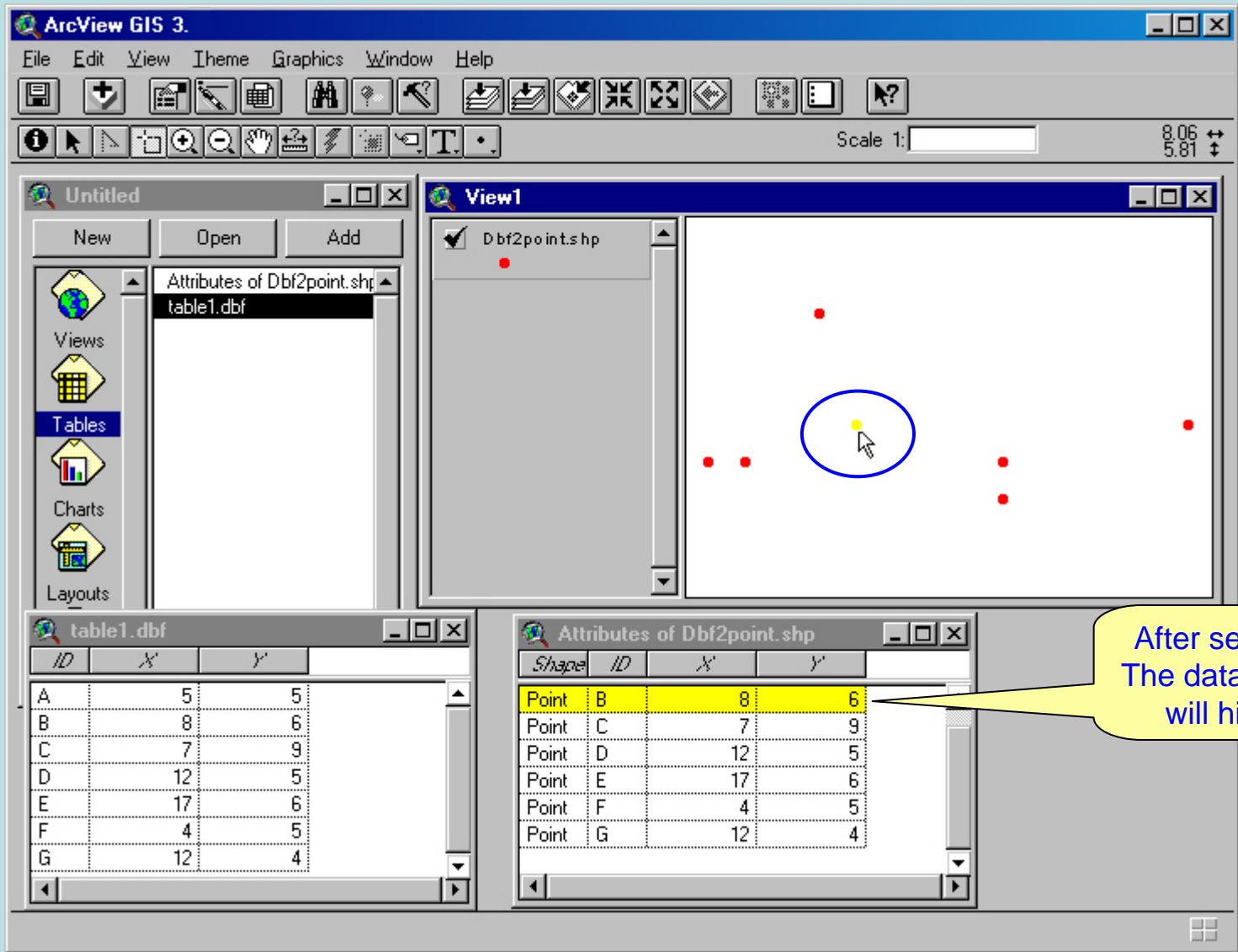
The interface includes a menu bar (File, Edit, View, Theme, Graphics, Window, Help), a toolbar, and a scale indicator (Scale 1:). The main map area shows a point selected by a blue rectangle. The left pane shows the 'Attributes of Dbf2point.shp' table with columns 'ID', 'X', and 'Y'. The bottom pane shows the 'Attributes of Dbf2point.shp' table with columns 'Shape', 'ID', 'X', and 'Y'.

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Shape	ID	X	Y
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Origin: (7.28, 5.04) Extent: (1.37, 1.87) Area: 2.57 sq

Another way to select data in map



The screenshot displays the ArcView GIS 3.0 interface. The main window, titled 'View1', shows a map with several red points. One point is highlighted with a blue circle, and a mouse cursor is positioned over it. The 'Attributes of Dbf2point.shp' table is open, showing the selected point (Point B) highlighted in yellow. The 'table1.dbf' table is also open, showing the corresponding data for the selected point.

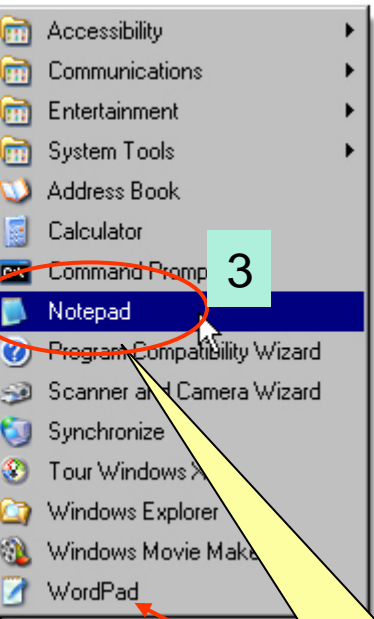
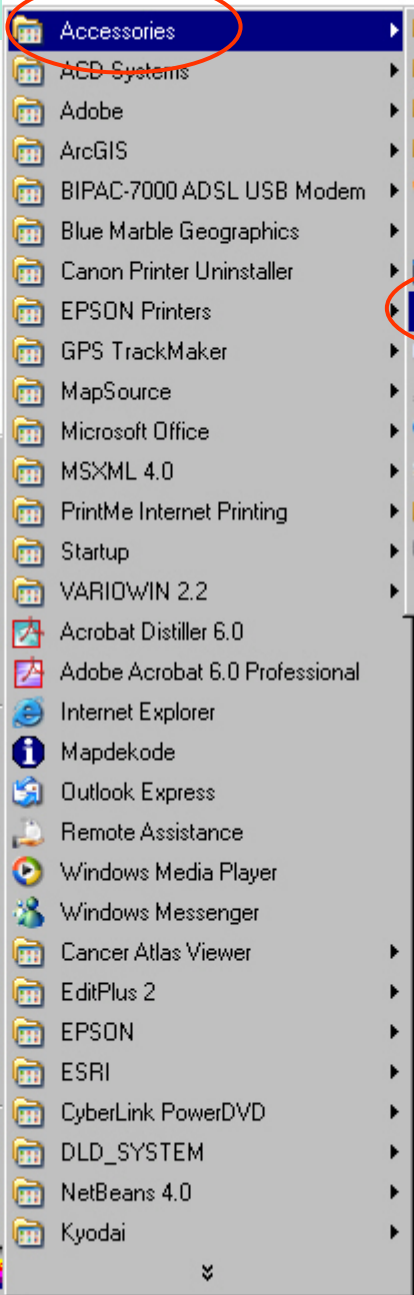
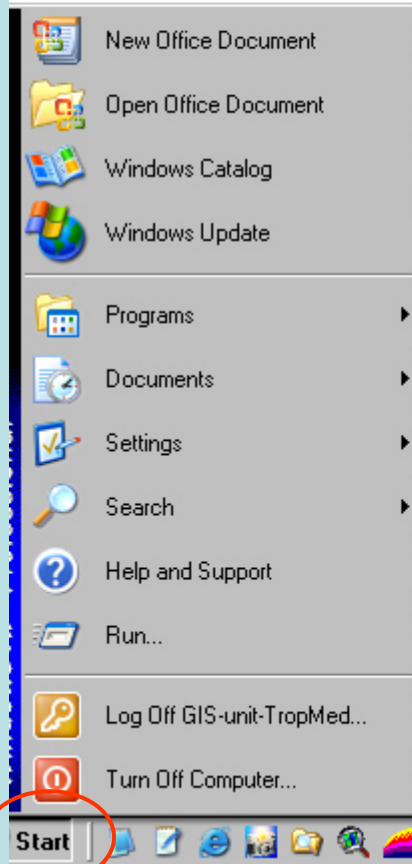
ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Shape	ID	X'	Y'
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

After selection, The data in table will hi-light

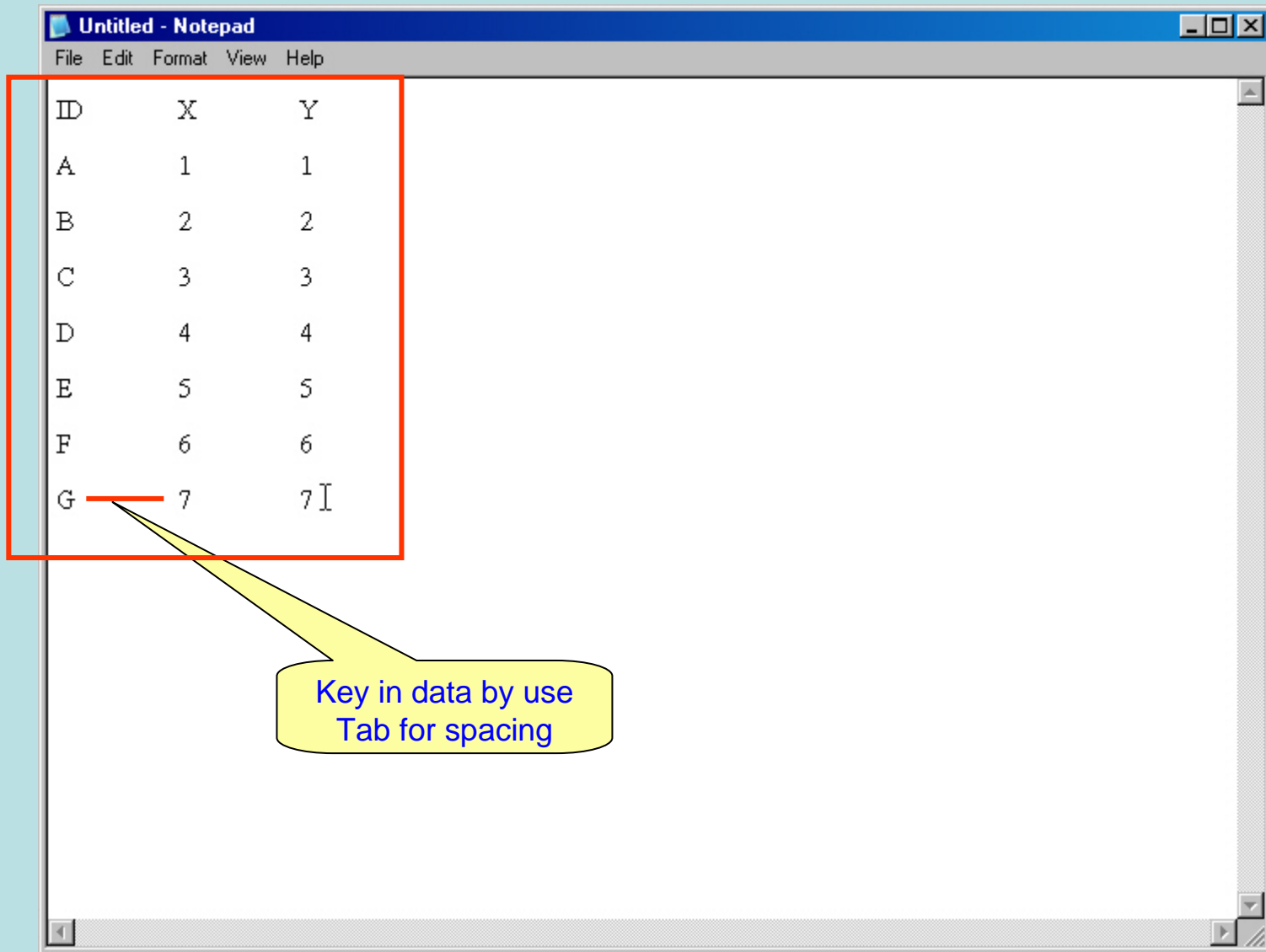
2

Create X Y co-ordinate using Text format



Open Notepad or WordPad

Create X Y co-ordinate using Text format



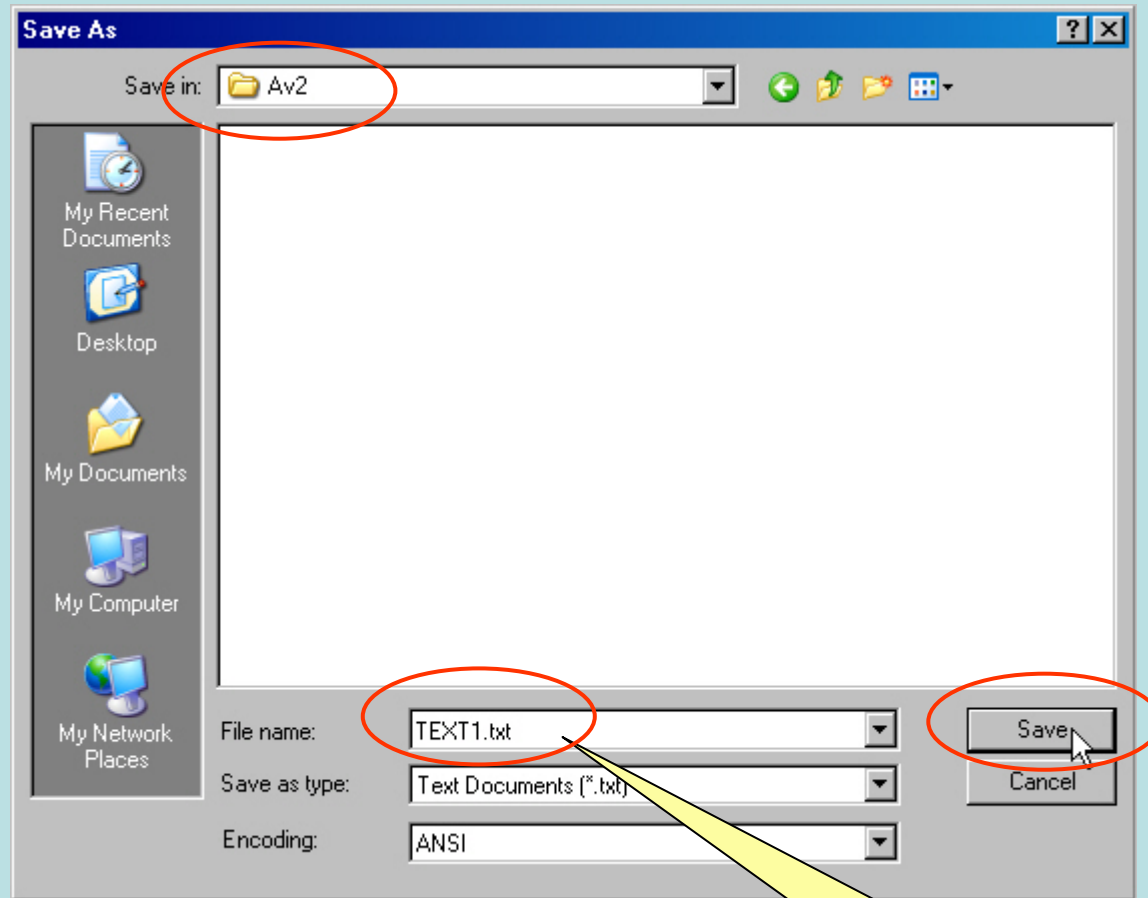
Untitled - Notepad

File Edit Format View Help

ID	X	Y
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7

Key in data by use
Tab for spacing

Create X Y co-ordinate using Text format



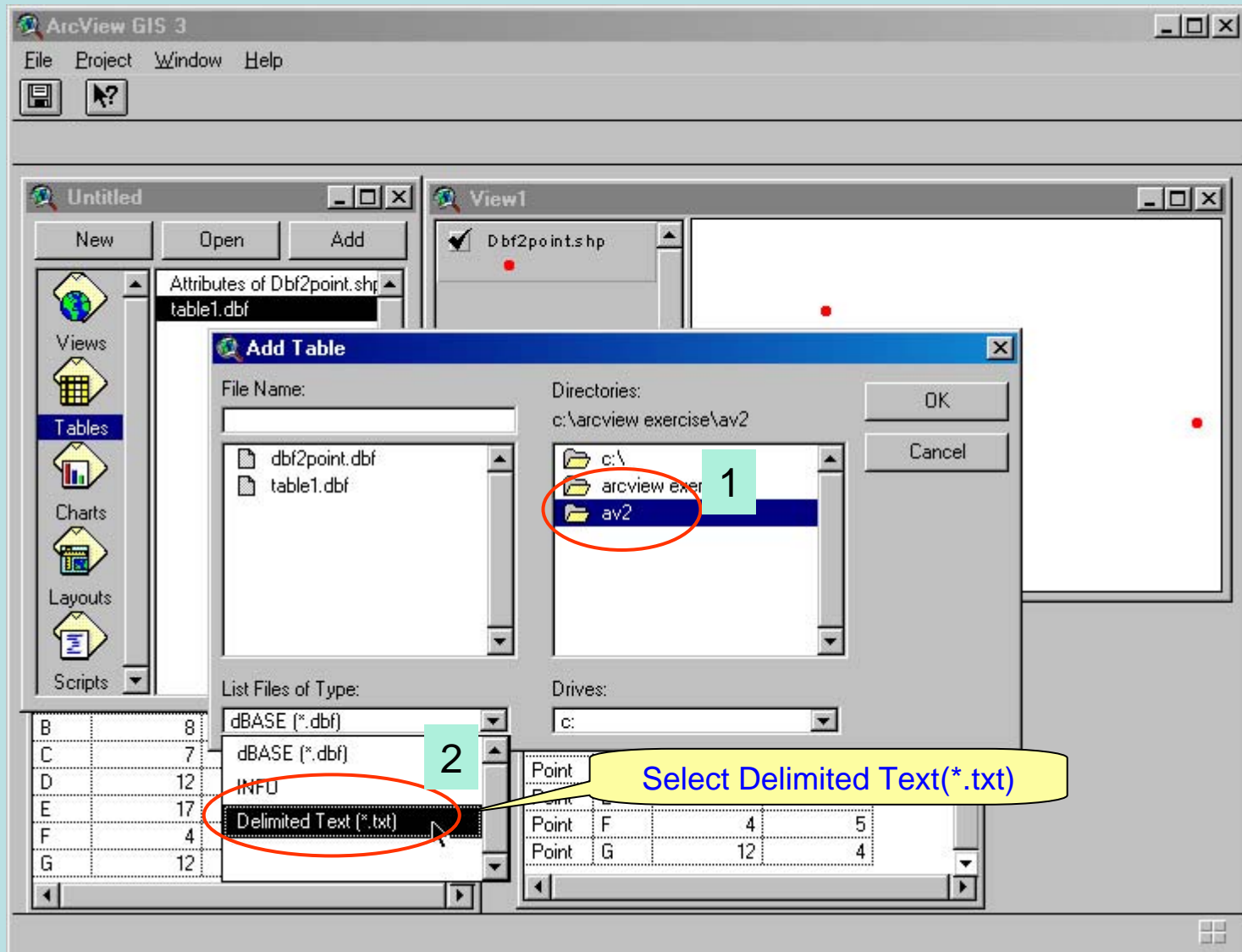
Create X Y co-ordinate using Text format

1

Active Tables Icon (Project window) click Add button

Shape	ID	X	Y
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format



The screenshot shows the ArcView GIS 3 interface. The 'Add Table' dialog box is open, displaying the 'List Files of Type' dropdown menu. The 'Delimited Text (*.txt)' option is selected and highlighted with a red circle and a green '2'. The 'Directories' list shows the 'av2' directory selected, also highlighted with a red circle and a green '1'. A yellow callout bubble points to the 'Delimited Text (*.txt)' option with the text 'Select Delimited Text (*.txt)'. The background shows a map view with a point and a table of coordinates.

Point	X	Y
Point F	4	5
Point G	12	4

Create X Y co-ordinate using Text format

1

2

Select "Text1.txt"

B	8		
C	7	9	
D	12	5	
E	17	6	
F	4	5	
G	12	4	

Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format

Attributes of Dbf2point.shp

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

text1.txt

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Attributes of Dbf2point.shp

Shape	ID	X	Y
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Table in Text format

Create X Y co-ordinate using Text format

The screenshot shows the ArcGIS 3.1a interface. The 'View' menu is open, and 'Add Event Theme...' is highlighted. A table with X and Y coordinates is visible in the bottom left, and a map window shows the resulting points.

1 View

2 T

table

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

text1.txt

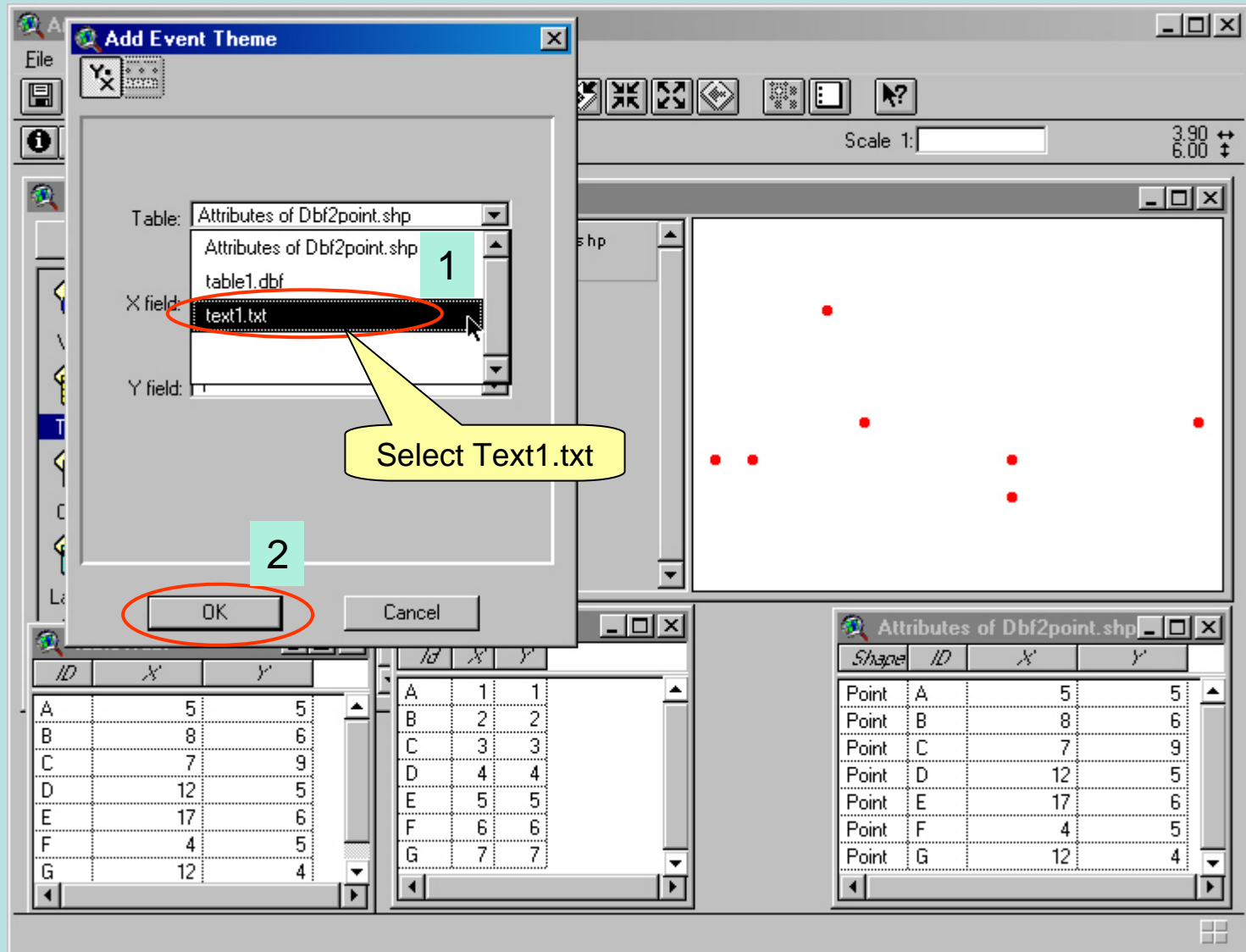
Id	X	Y
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7

Attributes of Dbf2point.shp

Shape	ID	X	Y
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Displays a dialog box to create an XY or dynamic segmentation event-based theme

Create X Y co-ordinate using Text format



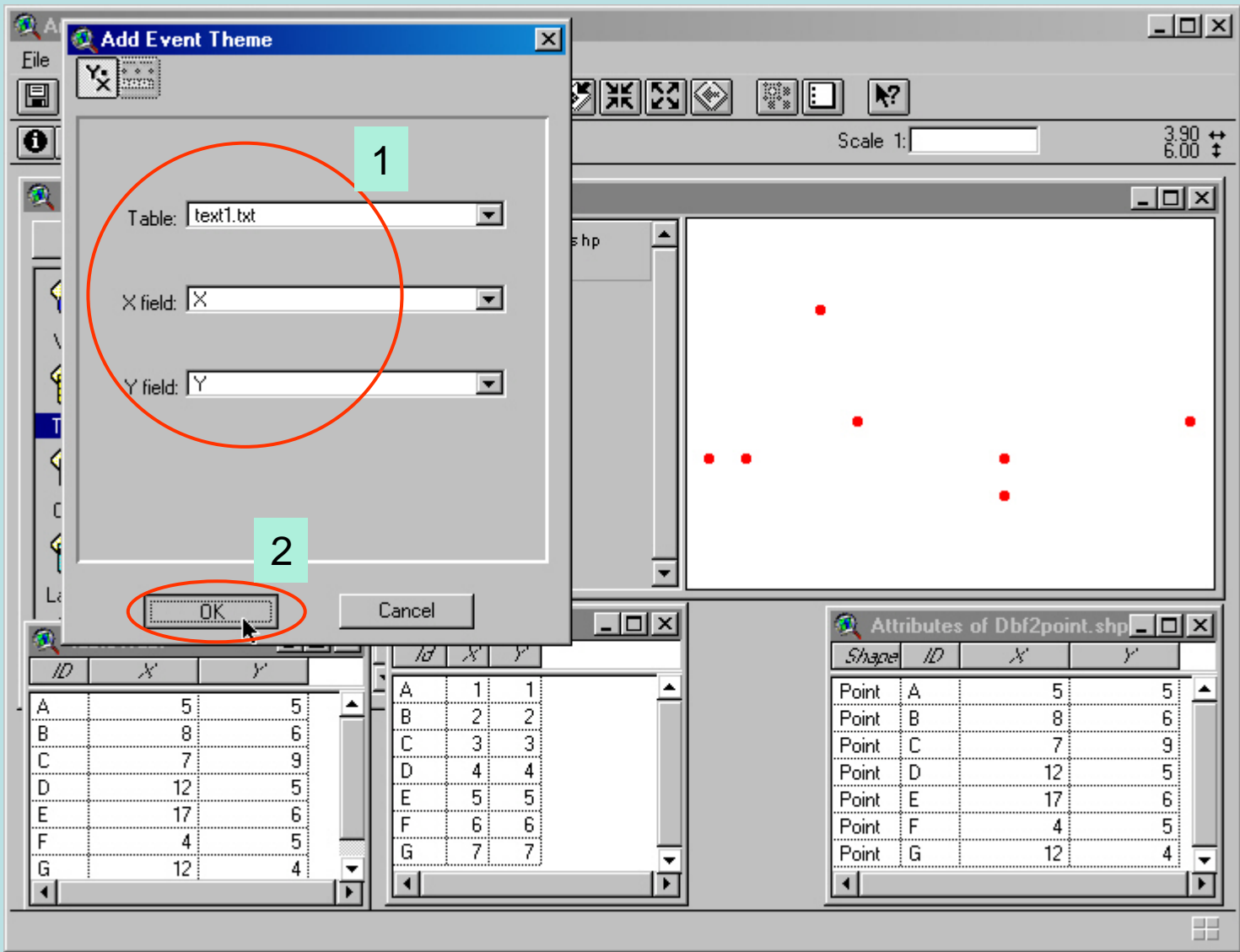
The screenshot shows the 'Add Event Theme' dialog box in ArcGIS. The 'Table' dropdown is set to 'Attributes of Dbf2point.shp'. The 'X field' is set to 'text1.txt', which is circled in red and pointed to by a yellow callout box containing the text 'Select Text1.txt'. The 'Y field' is currently empty. The 'OK' button is circled in red and has a green box with the number '2' next to it. The background shows a map with several red points. Two attribute tables are visible at the bottom of the screen.

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

ID	X'	Y'
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7

Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format



The screenshot shows the 'Add Event Theme' dialog box in ArcGIS. The 'Table' dropdown is set to 'text1.txt'. The 'X field' dropdown is set to 'X' and the 'Y field' dropdown is set to 'Y'. A red circle highlights these three fields, with a green box containing the number '1' next to it. The 'OK' button is also circled in red, with a green box containing the number '2' next to it. The background map shows seven red points. Below the map, there are two attribute tables. The first table has columns 'ID', 'X', and 'Y' with data for points A through G. The second table has columns 'ID', 'X', and 'Y' with data for points A through G. To the right of the map is the 'Attributes of Dbf2point.shp' table, which has columns 'Shape', 'ID', 'X', and 'Y' with data for points A through G.

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

ID	X	Y
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7

Shape	ID	X	Y
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format

The screenshot shows the ArcView GIS interface. The main map window displays several points in red and purple. The layer list on the left shows 'Text1.txt' and 'Dbf2point.shp'. A yellow callout bubble points to 'Text1.txt' with the text 'Text file not shape file'. Below the map, there are three data tables: 'table1.dbf', 'text1.txt', and 'Attributes of Dbf2point.s...'. The 'table1.dbf' table contains the following data:

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

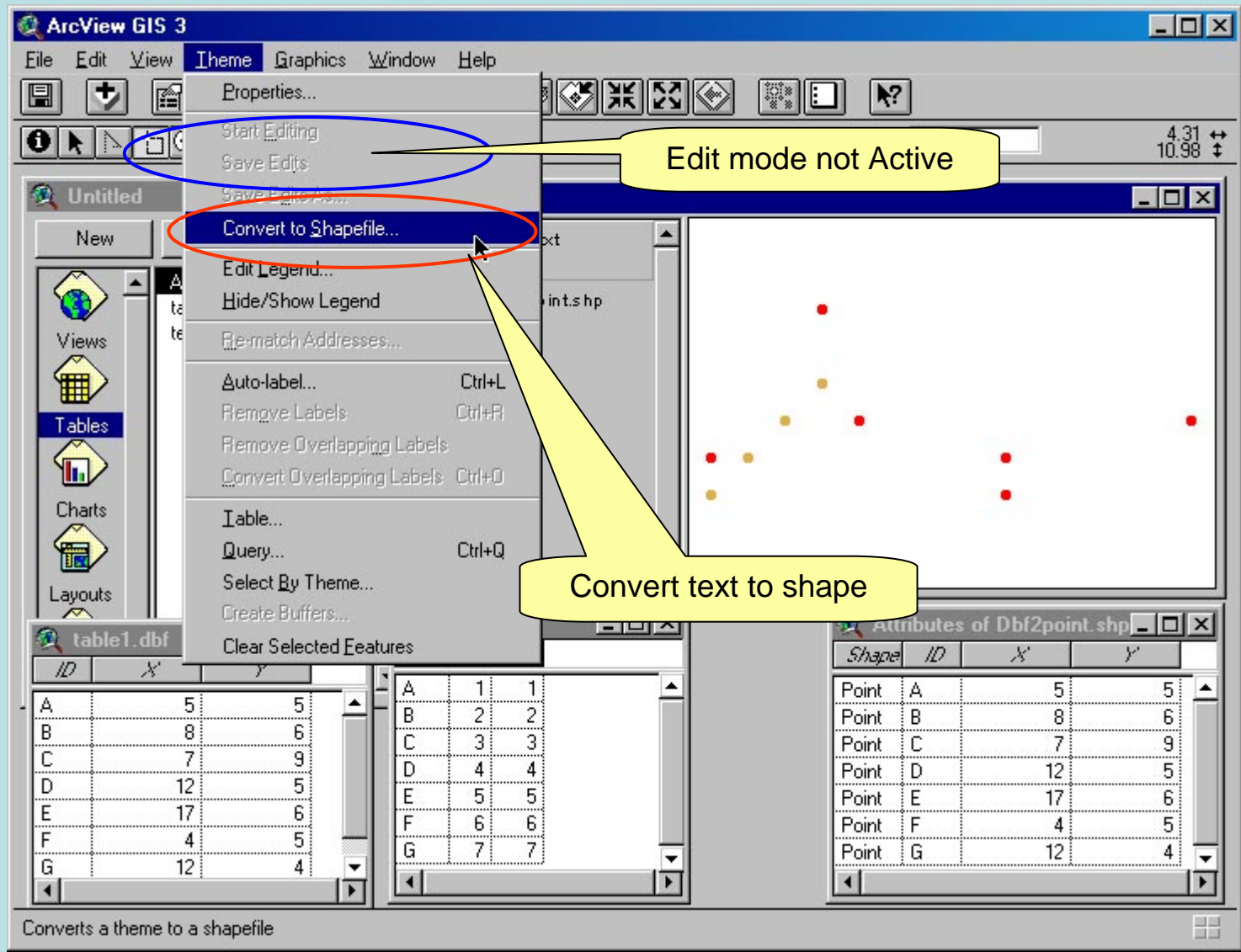
The 'text1.txt' table contains the following data:

Id	X'	Y'
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7

The 'Attributes of Dbf2point.s...' table contains the following data:

Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format



The screenshot shows the ArcView GIS 3 interface. The 'Theme' menu is open, and the 'Convert to Shapefile...' option is highlighted with a red circle. A yellow callout points to the 'Start Editing' option, stating 'Edit mode not Active'. Another yellow callout points to the 'Convert to Shapefile...' option, stating 'Convert text to shape'. The main map area shows several colored points. At the bottom, two data tables are visible: 'table1.dbf' and 'Attributes of Dbf2point.shp'.

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format

The screenshot shows the ArcView GIS 3 interface. A 'Convert Text' dialog box is open, with three numbered callouts: 1 points to the directory selection area where 'av2' is selected; 2 points to the 'File Name' field containing 'TXT2POINT.shp'; 3 points to the 'OK' button. The background shows a map view with a table of coordinates and a data table window.

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Point	F	G
Point F	4	5
Point G	12	4

Create X Y co-ordinate using Text format

Convert to Shapefile

Add shapefile as theme to the view?

Yes No

After Convert text to shape. Delete this Theme

ID	X'	Y'
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Id	X'	Y'
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7

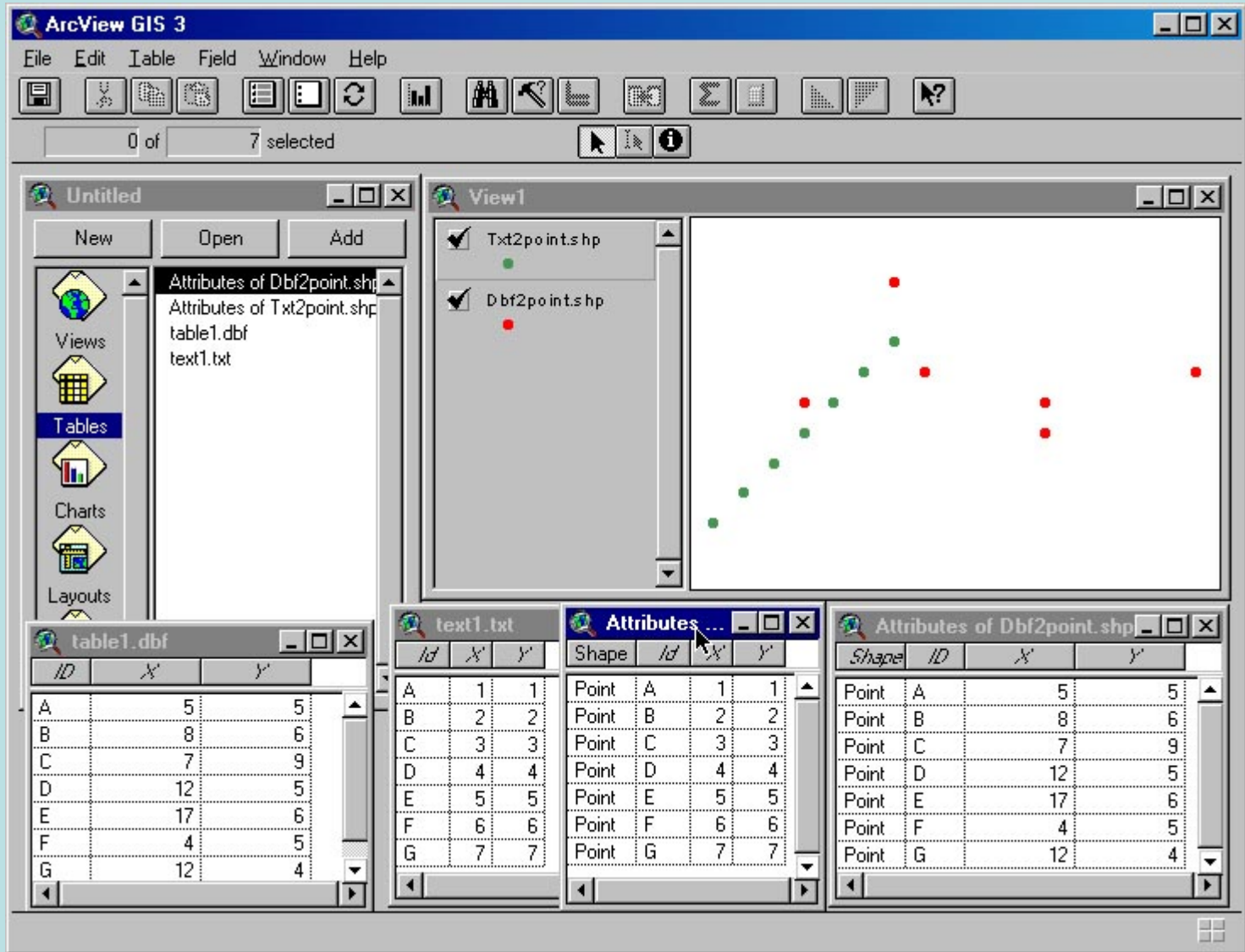
Shape	ID	X'	Y'
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Text format

The screenshot shows the ArcView GIS 3 interface with several windows open:

- Attributes of Dbf2point.shp**: A table with columns ID, X', and Y'. It contains data for points A through G.
- text1.txt**: A text file with columns ID, X', and Y', containing the same data as the Dbf2point.shp table.
- Attributes of Dbf2point.shp** (bottom right): A table with columns Shape, ID, X', and Y', showing the shape type (Point) and coordinates for each feature.
- View1**: A map view showing the spatial distribution of the points. Green points (A-E) are clustered in the lower-left, while red points (F-G) are more scattered.

Create X Y co-ordinate using Text format



The screenshot shows the ArcView GIS 3 interface with several windows open:

- table1.dbf**: A table with columns ID, X, and Y.

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4
- text1.txt**: A table with columns ID, X, and Y.

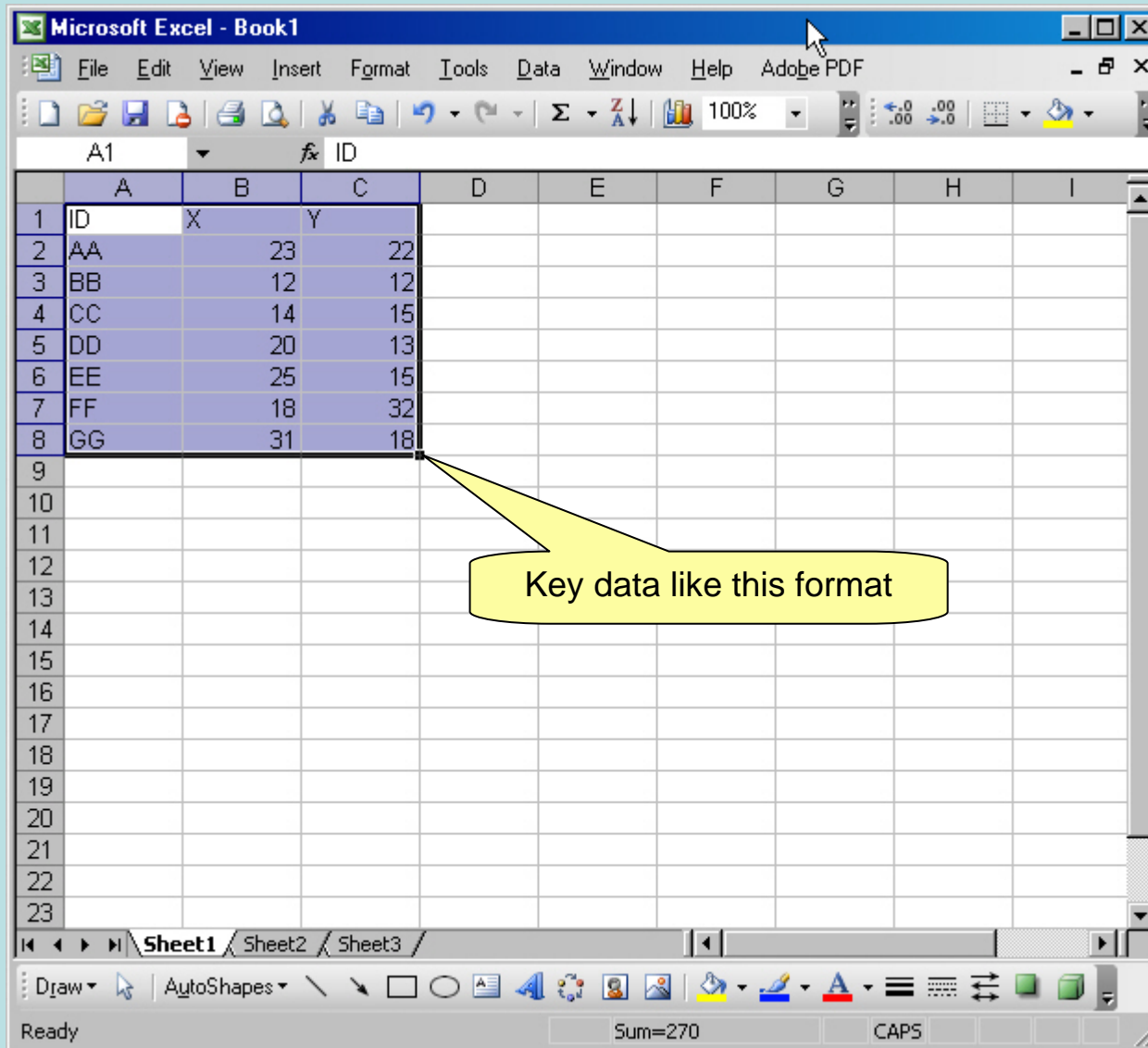
ID	X	Y
A	1	1
B	2	2
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7
- Attributes ...**: A table with columns Shape, ID, X, and Y.

Shape	ID	X	Y
Point	A	1	1
Point	B	2	2
Point	C	3	3
Point	D	4	4
Point	E	5	5
Point	F	6	6
Point	G	7	7
- Attributes of Dbf2point.shp**: A table with columns Shape, ID, X, and Y.

Shape	ID	X	Y
Point	A	5	5
Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

The **View1** window shows a map with points plotted based on the data in the tables. The points are colored red and green, corresponding to the 'Shape' field in the attribute tables.

Create X Y co-ordinate using Dbase format from Excel

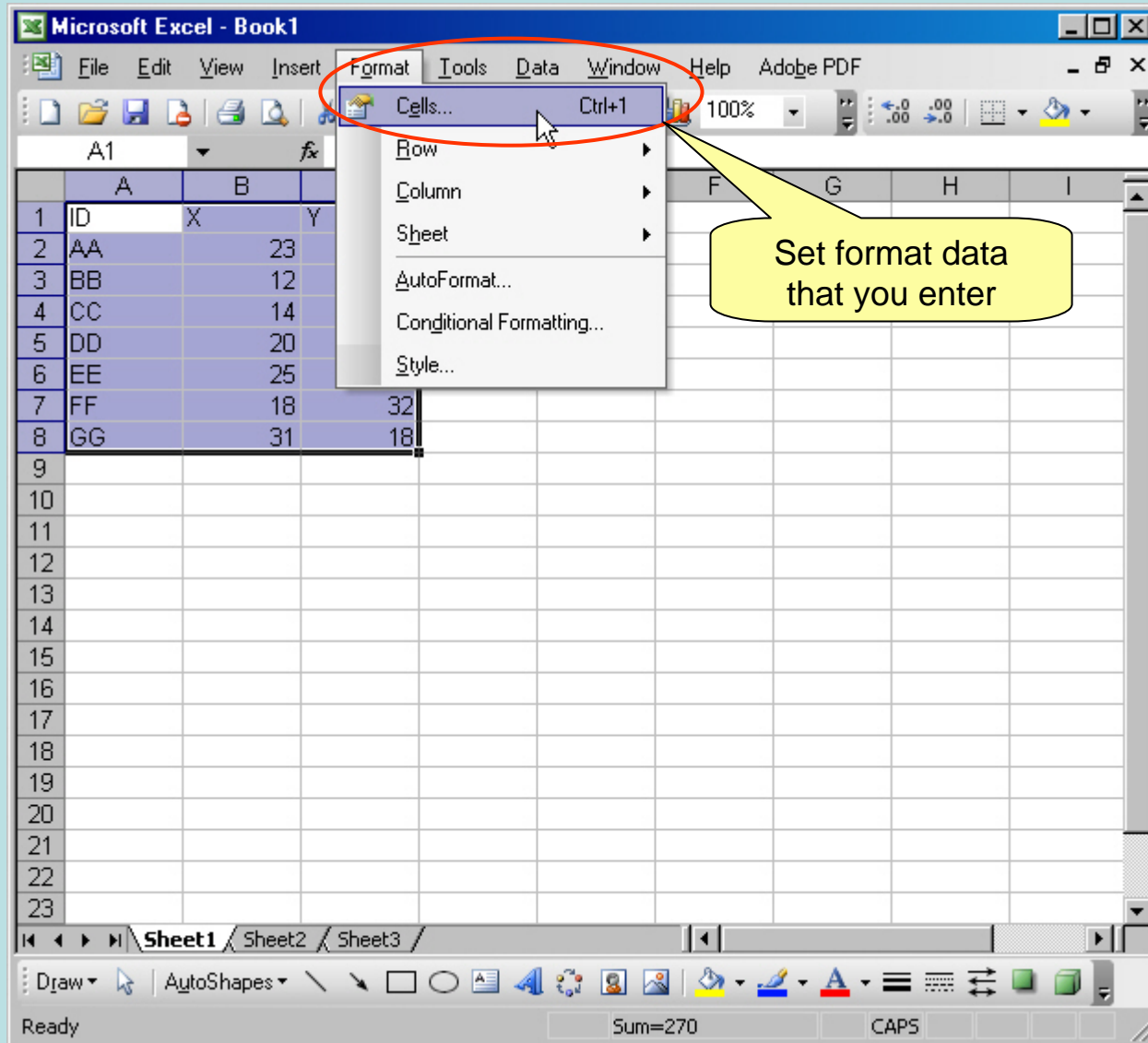


The screenshot shows a Microsoft Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	ID	X	Y						
2	AA	23	22						
3	BB	12	12						
4	CC	14	15						
5	DD	20	13						
6	EE	25	15						
7	FF	18	32						
8	GG	31	18						
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

A yellow callout points to the cell containing '18' in row 8, column C, with the text: "Key data like this format".

Create X Y co-ordinate using Dbase format from Excel

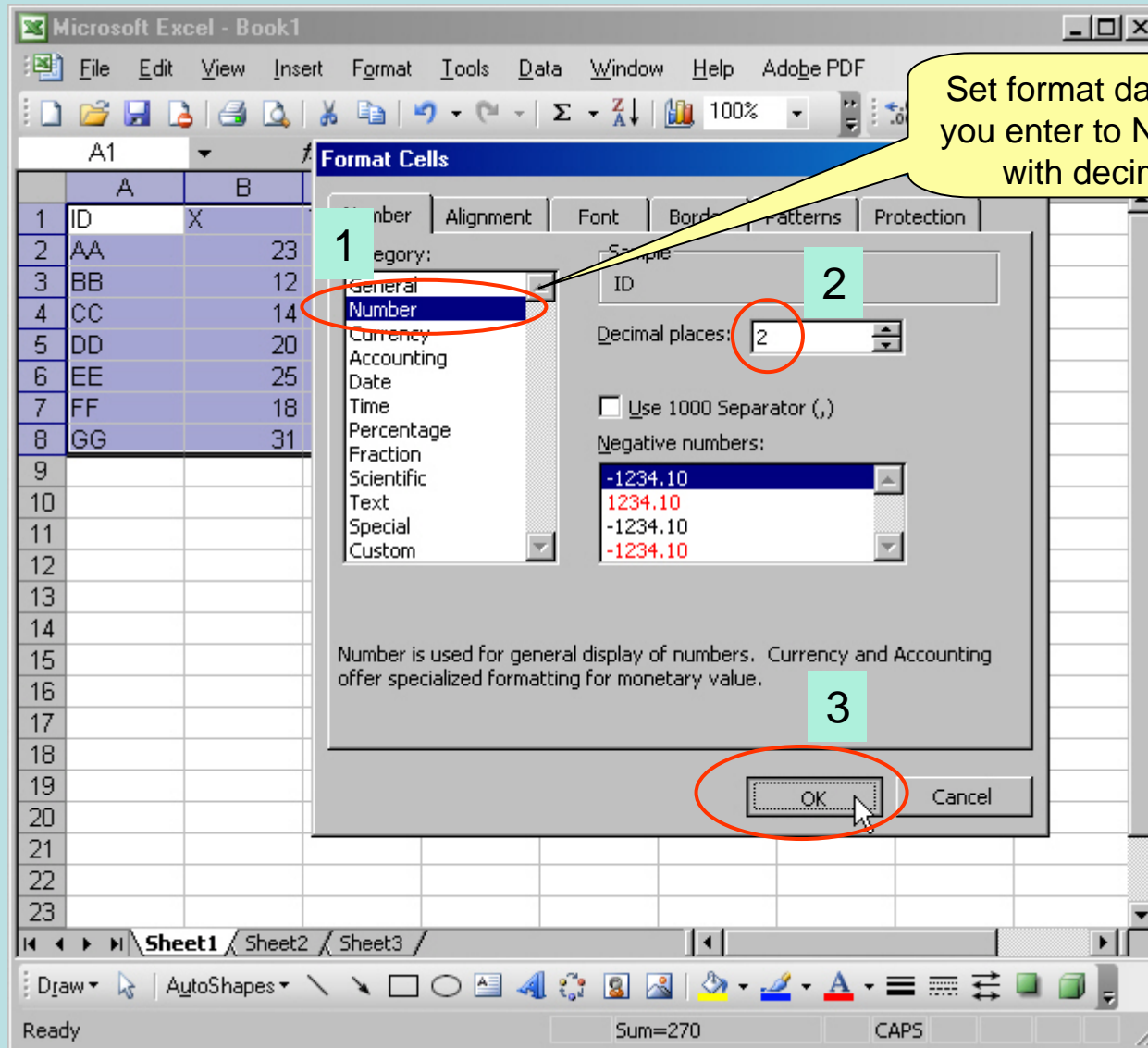


The screenshot shows the Microsoft Excel interface with the 'Format' menu open and 'Cells...' selected. The spreadsheet contains the following data:

	A	B	
1	ID	X	Y
2	AA		23
3	BB		12
4	CC		14
5	DD		20
6	EE		25
7	FF	18	32
8	GG	31	18

A yellow callout bubble points to the 'Cells...' option in the 'Format' menu with the text: "Set format data that you enter".

Create X Y co-ordinate using Dbase format from Excel



Microsoft Excel - Book1

File Edit View Insert Format Tools Data Window Help Adobe PDF

A1

	A	B
1	ID	X
2	AA	23
3	BB	12
4	CC	14
5	DD	20
6	EE	25
7	FF	18
8	GG	31
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

Format Cells

Number Alignment Font Borders Patterns Protection

Category: **1**

- General
- Number**
- Currency
- Accounting
- Date
- Time
- Percentage
- Fraction
- Scientific
- Text
- Special
- Custom

Sample: ID **2**

Decimal places: **2**

Use 1000 Separator (,)

Negative numbers:

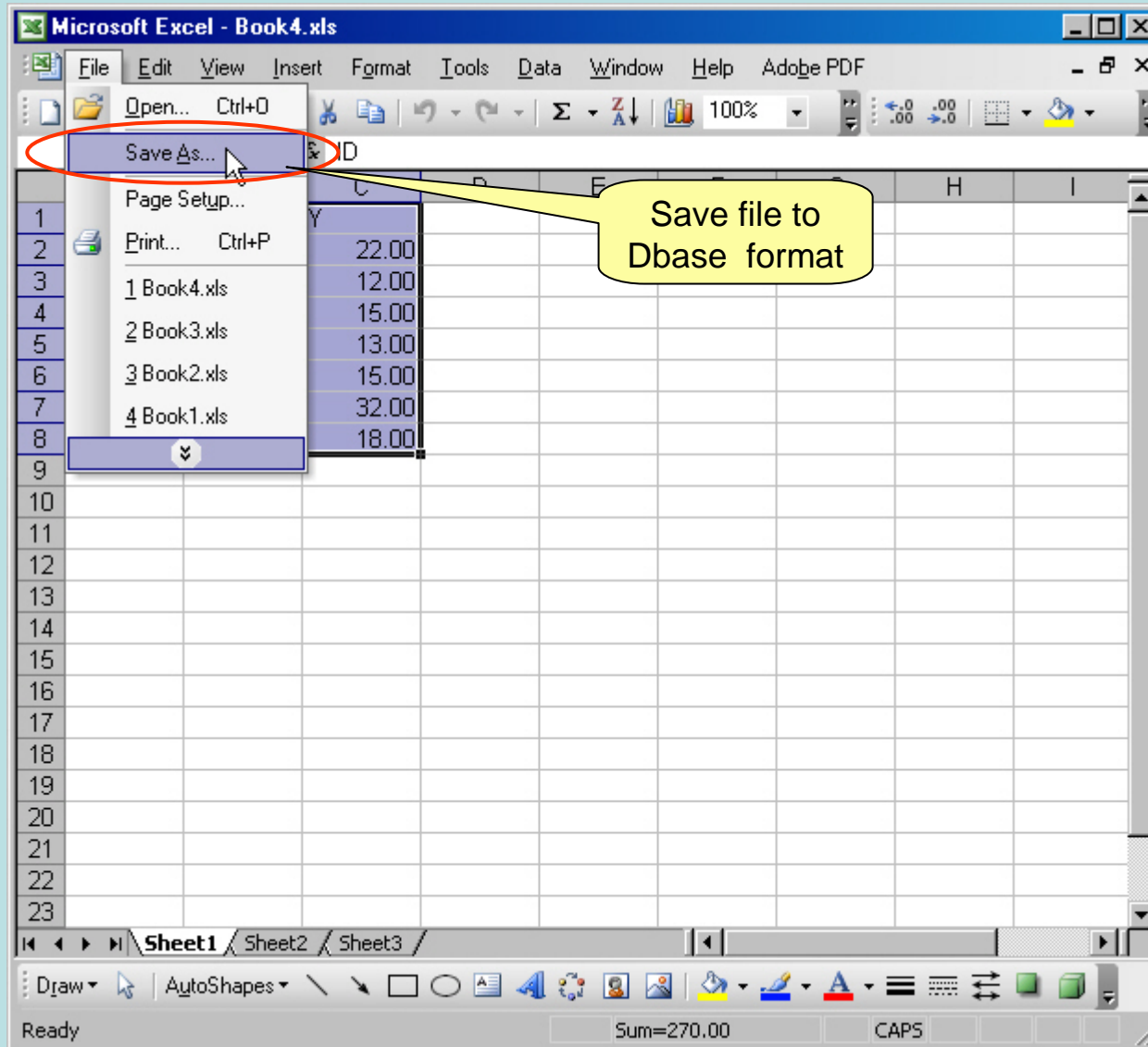
- 1234.10
- 1234.10
- 1234.10
- 1234.10

Number is used for general display of numbers. Currency and Accounting offer specialized formatting for monetary value. **3**

OK Cancel

Set format data that you enter to Number with decimal

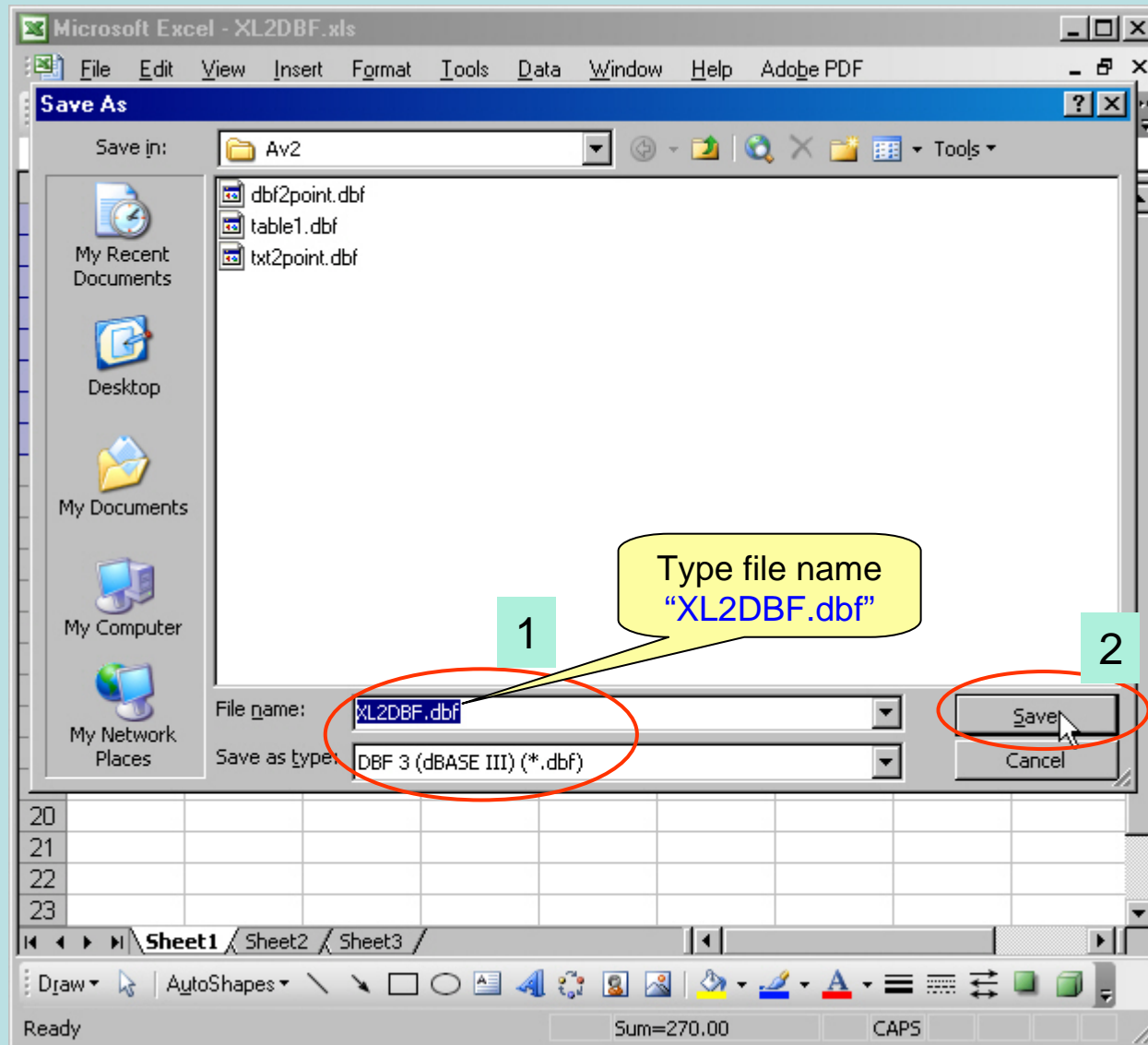
Create X Y co-ordinate using Dbase format from Excel



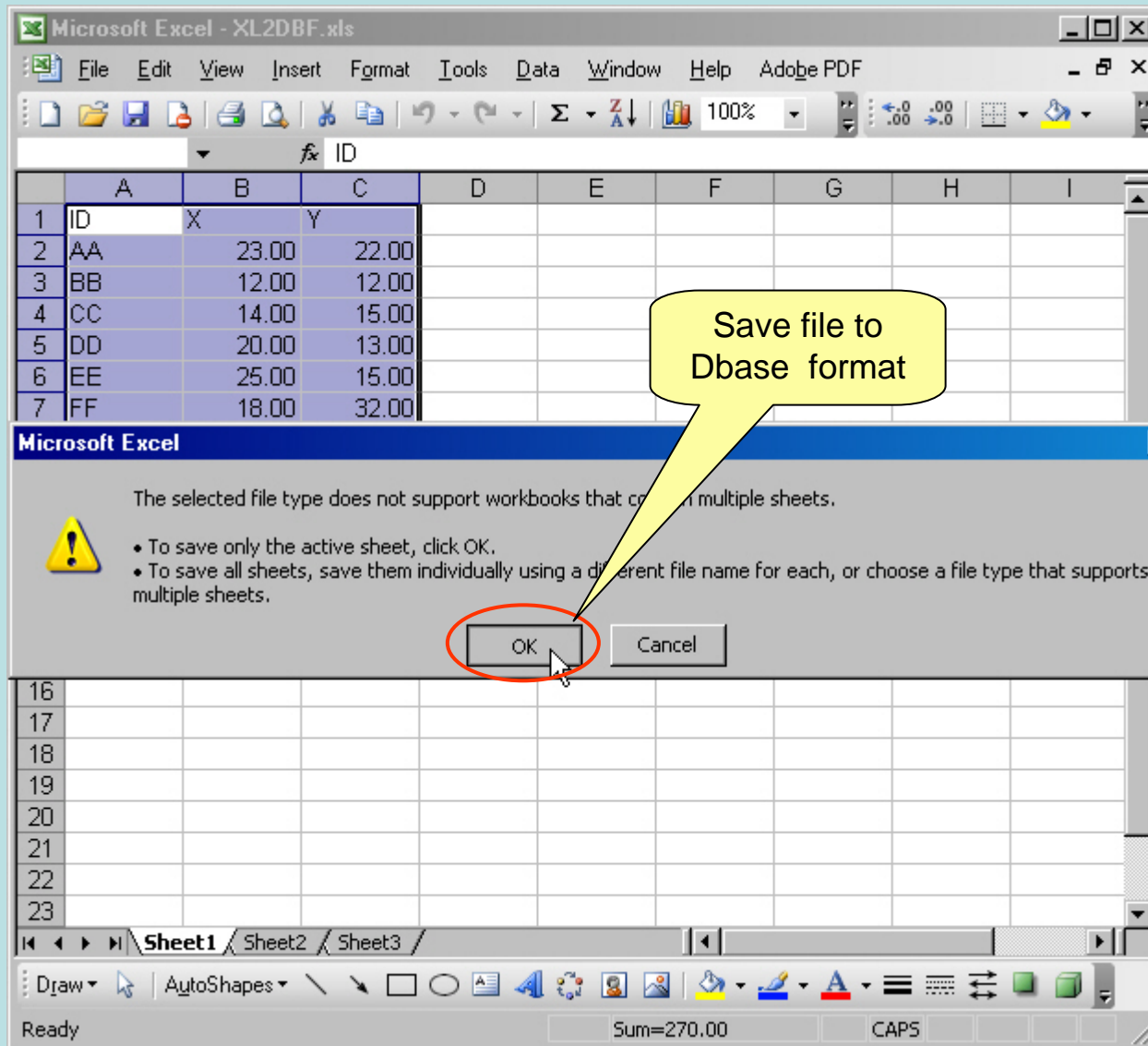
The screenshot shows the Microsoft Excel interface with the 'File' menu open. The 'Save As...' option is highlighted with a red oval. A yellow callout bubble points to this option with the text 'Save file to Dbase format'. The spreadsheet contains data in columns Y and Z, with values ranging from 12.00 to 32.00. The status bar at the bottom shows 'Sum=270.00' and 'CAPS'.

	Y	Z
1		
2		22.00
3		12.00
4		15.00
5		13.00
6		15.00
7		32.00
8		18.00
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

Create X Y co-ordinate using Dbase format from Excel



Create X Y co-ordinate using Dbase format from Excel



The screenshot shows a Microsoft Excel window with a spreadsheet containing the following data:

ID	X	Y
AA	23.00	22.00
BB	12.00	12.00
CC	14.00	15.00
DD	20.00	13.00
EE	25.00	15.00
FF	18.00	32.00

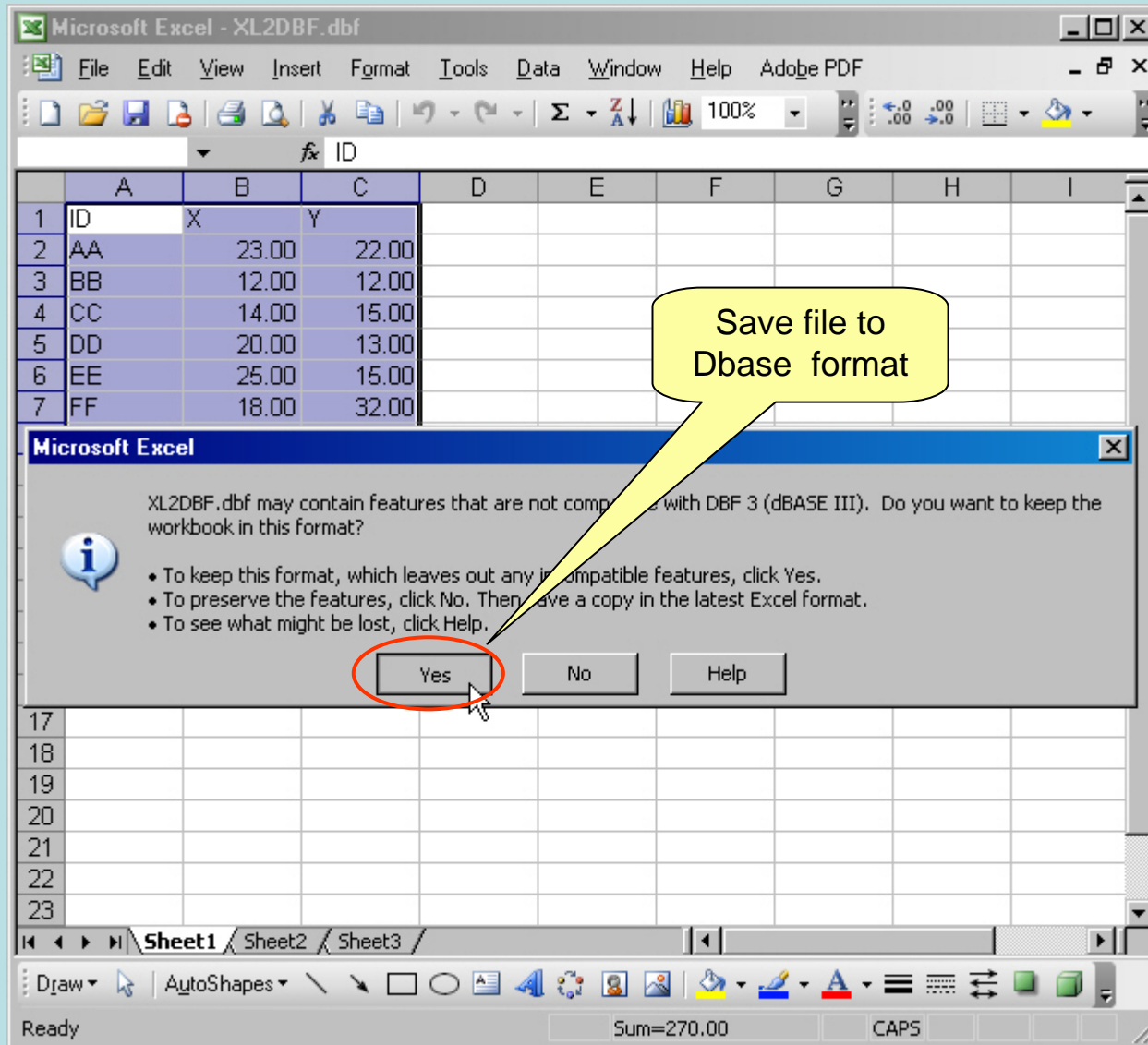
A dialog box is open, displaying the following text:

The selected file type does not support workbooks that contain multiple sheets.

- To save only the active sheet, click OK.
- To save all sheets, save them individually using a different file name for each, or choose a file type that supports multiple sheets.

The **OK** button is circled in red, and a yellow callout bubble points to it with the text "Save file to Dbase format".

Create X Y co-ordinate using Dbase format from Excel



The screenshot shows Microsoft Excel with a dialog box open. The dialog box asks: "XL2DBF.dbf may contain features that are not compatible with DBF 3 (dBASE III). Do you want to keep the workbook in this format?" It provides three options: Yes, No, and Help. The "Yes" button is circled in red, and a yellow callout bubble points to it with the text "Save file to Dbase format".

Microsoft Excel - XL2DBF.dbf

File Edit View Insert Format Tools Data Window Help Adobe PDF

fx ID

	A	B	C	D	E	F	G	H	I
1	ID	X	Y						
2	AA	23.00	22.00						
3	BB	12.00	12.00						
4	CC	14.00	15.00						
5	DD	20.00	13.00						
6	EE	25.00	15.00						
7	FF	18.00	32.00						

Microsoft Excel

XL2DBF.dbf may contain features that are not compatible with DBF 3 (dBASE III). Do you want to keep the workbook in this format?

- To keep this format, which leaves out any incompatible features, click Yes.
- To preserve the features, click No. Then save a copy in the latest Excel format.
- To see what might be lost, click Help.

Yes No Help

Sheet1 Sheet2 Sheet3

Ready Sum=270.00 CAPS

Create X Y co-ordinate using Dbase format from Excel

1

2

Select Tables Icon to open Dbase file

Shape	Id	X	Y
Point A	1	1	1
Point B	2	2	2
Point C	3	3	3
Point D	4	4	4
Point E	5	5	5
Point F	6	6	6
Point G	7	7	7

Shape	ID	X	Y
Point A		5	5
Point B		8	6
Point C		7	9
Point D		12	5
Point E		17	6
Point F		4	5
Point G		12	4

Create X Y co-ordinate using Dbase format from Excel

File Name: xl2dbf.dbf

Directories: c:\arcview exercise\av2

2

1

3

OK

Cancel

List Files of Type: dBASE (*.dbf)

Select Tables
xl2dbf.dbf open
Dbase file

B	8	2	2
C	7	3	3
D	12	4	4
E	17	5	5
F	4	6	6
G	12	7	7

Point	D	4	4
Point	E	5	5
Point	F	6	6
Point	G	7	7

Point	B	8	6
Point	C	7	9
Point	D	12	5
Point	E	17	6
Point	F	4	5
Point	G	12	4

Create X Y co-ordinate using Dbase format from Excel

The screenshot shows the ArcView GIS 3 interface. The 'View1' window displays a map with several colored points (red, green, and black). The 'Table of Contents' on the left shows a list of files, with 'xl2dbf.dbf' highlighted in a yellow callout box. A yellow callout bubble points to this file with the text 'Double click to xl2dbf.dbf'. Below the main interface, there are three data tables. The first table is a simple grid with letters B-G and numbers 8-12. The second table is a 'Shape' table with columns 'ID', 'X', and 'Y', containing data for points AA through GG. The third table is the 'Attributes of Dbf2point.shp' table, also with columns 'ID', 'X', and 'Y', containing data for points A through G.

Letter	X	Y
B	8	2
C	7	3
D	12	4
E	17	5
F	4	6
G	12	7

Shape	ID	X	Y
Point	AA	23.00	22.00
Point	BB	12.00	12.00
Point	CC	14.00	15.00
Point	DD	20.00	13.00
Point	EE	25.00	15.00
Point	FF	18.00	32.00
Point	GG	31.00	18.00

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create X Y co-ordinate using Dbase format from Excel

Click at the Theme menu to Add Event Theme

1

2

ID	X	Y
AA	23.00	22.00
BB	12.00	12.00
CC	14.00	15.00
DD	20.00	13.00
EE	25.00	15.00
FF	18.00	32.00
GG	31.00	18.00

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create X Y co-ordinate using Dbase format from Excel

The screenshot shows the ArcView GIS 3 interface. The 'untitled.apr' project window on the left has a 'Tables' section where 'x12dbf.dbf' is selected and circled in red. The 'View1' window on the right displays a map with several colored points (green, yellow, red) plotted. A yellow callout bubble points to the 'x12dbf.dbf' file in the View1 window, containing the text: 'This Theme is Dbase format not Shape file'. At the bottom, two attribute tables are visible. The first table, titled 'x12dbf.dbf', has columns 'Shape', 'Id', 'X', and 'Y'. The second table, titled 'Attributes of Dbf2point.shp', has columns 'ID', 'X', and 'Y'.

Shape	Id	X	Y
Point	AA	23.00	22.00
Point	BB	12.00	12.00
Point	CC	14.00	15.00
Point	DD	20.00	13.00
Point	EE	25.00	15.00
Point	FF	18.00	32.00
Point	GG	31.00	18.00

ID	X	Y
A	5	5
B	8	6
C	7	9
D	12	5
E	17	6
F	4	5
G	12	4

Create X Y co-ordinate using Dbase format from Excel

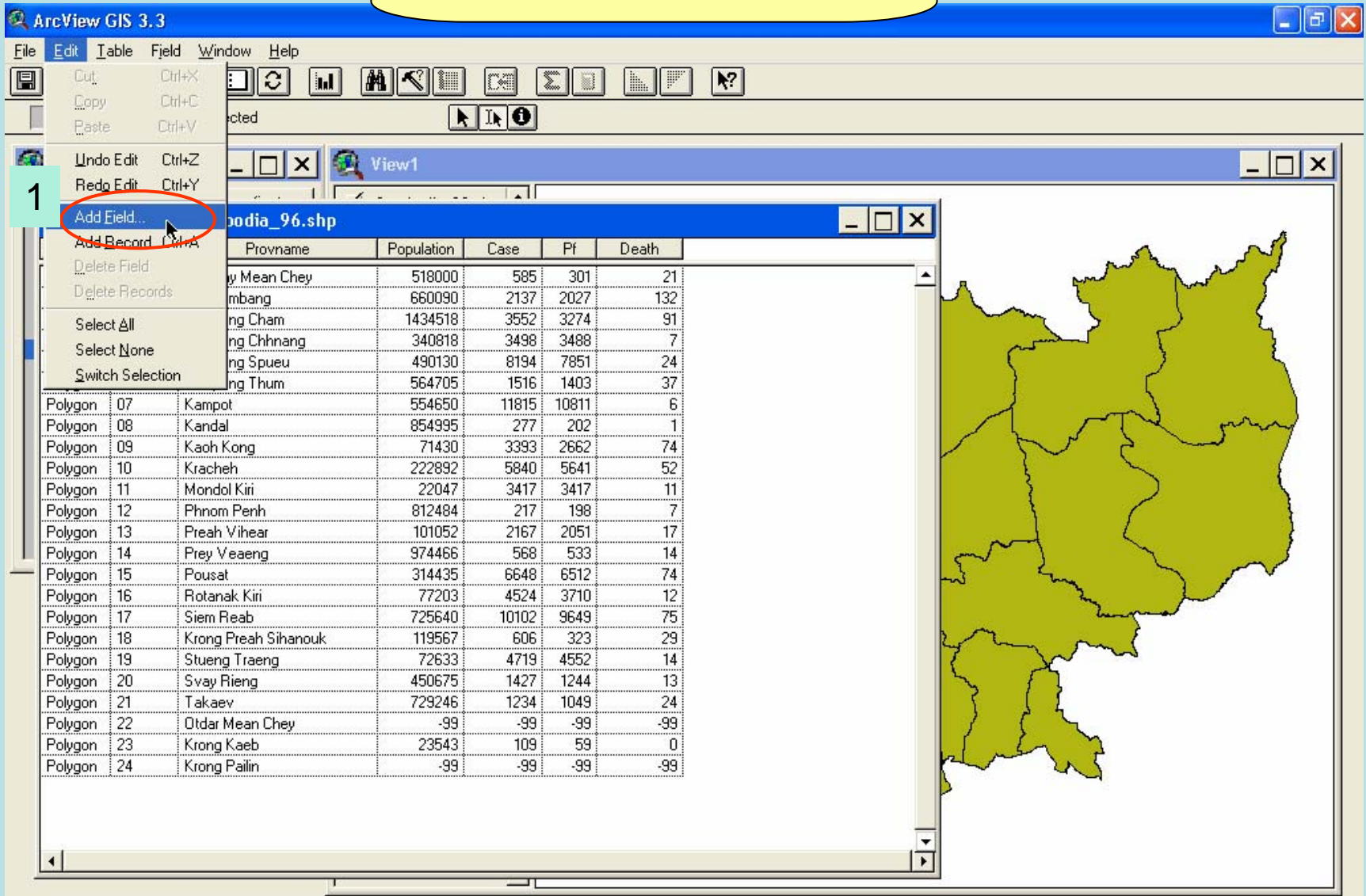
The screenshot shows the ArcView GIS 3 interface. On the left, the 'Tables' pane lists several files, with 'Attributes of Xl2shape.shp' circled in red. The 'View1' window shows a map with several colored points (red, green, pink) plotted. A yellow callout bubble points to the 'Xl2shape.shp' layer in the View1 window, containing the text: 'This Theme convert from Xl2shape.dbf to Shape file'. At the bottom, three data tables are visible: 'xl2dbf.dbf', 'Attributes of Xl2shape.shp', and another table with columns B, C, D, E, F, G and values 8, 7, 12, 17, 4, 12.

Shape	Id	X'	Shape	Id	X'	Y'
Point	AA	23	Point	AA	23.00	22.00
Point	BB	12	Point	BB	12.00	12.00
Point	CC	14	Point	CC	14.00	15.00
Point	DD	20	Point	DD	20.00	13.00
Point	EE	25	Point	EE	25.00	15.00
Point	FF	18	Point	FF	18.00	32.00
Point	GG	31	Point	GG	31.00	18.00

Exercise 1 Create Shape file using this Table

ID	X	Y	S
1	12	51	45
2	44	12	50
3	12	45	120
4	80	11	12
5	12	50	11
6	50	11	60
7	5	9	10
8	13	15	19
9	32	22	5
10	30	12	10
11	50	66	20
12	12	22	30
13	15	12	50
14	30	55	60
15	70	12	50
16	13	15	11
17	9	9	5
18	8	12	66
19	19	2	4

Create New Variable in ArcView Table



The screenshot shows the ArcView GIS 3.3 interface. The 'Table' menu is open, and the 'Add Field...' option is highlighted with a red circle. A yellow box with the number '1' is placed next to this option. Below the menu, a table is displayed with the following data:

	Provname	Population	Case	Pf	Death
Polygon 07	Kampot	518000	585	301	21
Polygon 08	Kandal	854995	277	202	1
Polygon 09	Kaoh Kong	71430	3393	2662	74
Polygon 10	Kracheh	222892	5840	5641	52
Polygon 11	Mondol Kiri	22047	3417	3417	11
Polygon 12	Phnom Penh	812484	217	198	7
Polygon 13	Preah Vihear	101052	2167	2051	17
Polygon 14	Prey Veaeang	974466	568	533	14
Polygon 15	Pousat	314435	6648	6512	74
Polygon 16	Rotanak Kiri	77203	4524	3710	12
Polygon 17	Siem Reab	725640	10102	9649	75
Polygon 18	Krong Preah Sihanouk	119567	606	323	29
Polygon 19	Stueng Traeng	72633	4719	4552	14
Polygon 20	Svay Rieng	450675	1427	1244	13
Polygon 21	Takaev	729246	1234	1049	24
Polygon 22	Otdar Mean Chey	-99	-99	-99	-99
Polygon 23	Krong Kaeb	23543	109	59	0
Polygon 24	Krong Pailin	-99	-99	-99	-99

Adds a new field to the table

Create New Variable in ArcView Table

Field Definition

Name: Incidence **OK** **Cancel**

Type: Number

Width: 16

Decimal Places: 3

	Case	Pf	Death
Polygon 03	1434518	3552	3274
Polygon 04	340818	3498	3488
Polygon 05	490130	8194	7851
Polygon 06	564705	1516	1403
Polygon 07	554650	11815	10811
Polygon 08	854995	277	202
Polygon 09	71430	3393	2662
Polygon 10	222892	5840	5641
Polygon 11	22047	3417	3417
Polygon 12	812484	217	198
Polygon 13	101052	2167	2051
Polygon 14	974466	568	533
Polygon 15	314435	6648	6512
Polygon 16	77203	4524	3710
Polygon 17	725640	10102	9649
Polygon 18	119567	606	323
Polygon 19	72633	4719	4552
Polygon 20	450675	1427	1244
Polygon 21	729246	1234	1049
Polygon 22	-99	-99	-99
Polygon 23	23543	109	59
Polygon 24	-99	-99	-99

Create New Variable in ArcView Table

New Field name =
Incidence rate

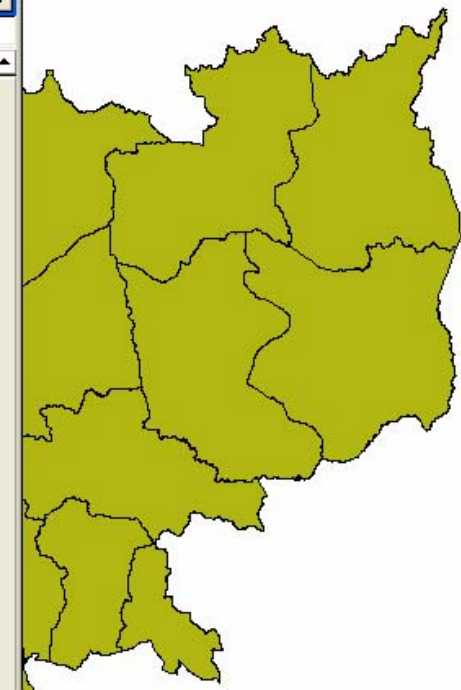
ArcView GIS 3.3

File Edit Table Field Window Help

0 of 24 selected

Attributes of Cambodia_96.shp

Shape	Provcode	Provname	Population	Case	Pf	Death	Incidence
Polygon	01	Banteay Mean Chey	518000	585	301	21	
Polygon	02	Bat Dambang	660090	2137	2027	132	
Polygon	03	Kampong Cham	1434518	3552	3274	91	
Polygon	04	Kampong Chhnang	340818	3498	3488	7	
Polygon	05	Kampong Spueu	490130	8194	7851	24	
Polygon	06	Kampong Thum	564705	1516	1403	37	
Polygon	07	Kampot	554650	11815	10811	6	
Polygon	08	Kandal	854995	277	202	1	
Polygon	09	Kaoh Kong	71430	3393	2662	74	
Polygon	10	Kracheh	222892	5840	5641	52	
Polygon	11	Mondol Kiri	22047	3417	3417	11	
Polygon	12	Phnom Penh	812484	217	198	7	
Polygon	13	Preah Vihear	101052	2167	2051	17	
Polygon	14	Prey Veaeng	974466	568	533	14	
Polygon	15	Pousat	314435	6648	6512	74	
Polygon	16	Rotanak Kiri	77203	4524	3710	12	
Polygon	17	Siem Reab	725640	10102	9649	75	
Polygon	18	Krong Preah Sihanouk	119567	606	323	29	
Polygon	19	Stueng Traeng	72633	4719	4552	14	
Polygon	20	Svay Rieng	450675	1427	1244	13	
Polygon	21	Takaev	729246	1234	1049	24	
Polygon	22	Otdar Mean Chey	-99	-99	-99	-99	
Polygon	23	Krong Kaeb	23543	109	59	0	
Polygon	24	Krong Pailin	-99	-99	-99	-99	



Create New Variable in ArcView Table

Select Calculate for create new data in table

The screenshot shows the ArcView GIS 3.3 interface. The 'Field' menu is open, and the 'Calculate...' option is selected. The attribute table below shows a table with columns: Shape, Provcode, Provname, Population, Case, Pf, Death, and Incidence. The 'Incidence' column is highlighted with a red circle. To the right, a map of Cambodia is visible.

Shape	Provcode	Provname	Population	Case	Pf	Death	Incidence
Polygon	01	Banteay Mean Chey	518000	585	301	21	
Polygon	02	Bat Dambang	660090	2137	2027	132	
Polygon	03	Kampong Cham	1434518	3552	3274	91	
Polygon	04	Kampong Chhnang	340818	3498	3488	7	
Polygon	05	Kampong Spueu	490130	8194	7851	24	
Polygon	06	Kampong Thum	564705	1516	1403	37	
Polygon	07	Kampot	554650	11815	10811	6	
Polygon	08	Kandal	854995	277	202	1	
Polygon	09	Kaoh Kong	71430	3393	2662	74	
Polygon	10	Kracheh	222892	5840	5641	52	
Polygon	11	Mondol Kiri	22047	3417	3417	11	
Polygon	12	Phnom Penh	812484	217	198	7	
Polygon	13	Preah Vihear	101052	2167	2051	17	
Polygon	14	Prey Veaeang	974466	568	533	14	
Polygon	15	Pousat	314435	6648	6512	74	
Polygon	16	Rotanak Kiri	77203	4524	3710	12	
Polygon	17	Siem Reab	725640	10102	9649	75	
Polygon	18	Krong Preah Sihanouk	119567	606	323	29	
Polygon	19	Stueng Traeng	72633	4719	4552	14	
Polygon	20	Svay Rieng	450675	1427	1244	13	
Polygon	21	Takaev	729246	1234	1049	24	
Polygon	22	Otdar Mean Chey	-99	-99	-99	-99	
Polygon	23	Krong Kaeb	23543	109	59	0	
Polygon	24	Krong Pailin	-99	-99	-99	-99	

Calculates the value of a field

Create New Variable in ArcView Table

The screenshot shows the ArcView GIS 3.3 interface. The 'Field Calculator' dialog box is open, displaying the formula $[Case] / [Population] * 100000$. The 'Fields' list includes [Shape], [Provcode], [Provname], [Population], [Case], [Pf], and [Death]. The 'Type' is set to 'Number'. The 'Requests' list includes *, +, -, .., /, <, and <=.

The data table below shows the following columns: Polygon, Provcode, Provname, Population, Case, Pf, Death, and Incidence. The 'Incidence' column is highlighted in the table.

Polygon	Provcode	Provname	Population	Case	Pf	Death	Incidence
Polygon 08	08	Kandal	854995	277	202	21	
Polygon 09	09	Kaoh Kong	14430	3393	2662	132	
Polygon 10	10	Kracheh	5840	5641	52	91	
Polygon 11	11	Mondol Kiri	3417	3417	11	7	
Polygon 12	12	Phnom Penh	147	198	7	24	
Polygon 13	13	Preah Vihear				37	
Polygon 14	14	Prey Veaseng				6	
Polygon 15	15	Pousat				1	
Polygon 16	16	Rotanak Kiri				74	
Polygon 17	17	Siem Reab	725640	10102	9649	52	
Polygon 18	18	Krong Preah Sihanouk	119567	606	323	11	
Polygon 19	19	Stueng Traeng	72633	4719	4552	7	
Polygon 20	20	Svay Rieng	450675	1427	1244	37	
Polygon 21	21	Takaev	729246	1234	1049	6	
Polygon 22	22	Otdar Mean Chey	-99	-99	-99	1	
Polygon 23	23	Krong Kaeb	23543	109	59	7	
Polygon 24	24	Krong Pailin	-99	-99	-99	6	



Create New Variable in ArcView Table

Result

Shape	Provcode	Provname	Population	Case	Pf	Death	Incidence
Polygon	01	Banteay Mean Chey	518000	585	301	21	112.934
Polygon	02	Bat Dambang	660090	2137	2027	132	323.744
Polygon	03	Kampong Cham	1434518	3552	3274	91	247.609
Polygon	04	Kampong Chhnang	340818	3498	3488	7	1026.354
Polygon	05	Kampong Spueu	490130	8194	7851	24	1671.801
Polygon	06	Kampong Thum	564705	1516	1403	37	268.459
Polygon	07	Kampot	554650	11815	10811	6	2130.172
Polygon	08	Kandal	854995	277	202	1	32.398
Polygon	09	Kaoh Kong	71430	3393	2662	74	4750.105
Polygon	10	Kracheh	222892	5840	5641	52	2620.103
Polygon	11	Mondol Kiri	22047	3417	3417	11	15498.707
Polygon	12	Phnom Penh	812484	217	198	7	26.708
Polygon	13	Preah Vihear	101052	2167	2051	17	2144.440
Polygon	14	Prey Veaeng	974466	568	533	14	58.288
Polygon	15	Pousat	314435	6648	6512	74	2114.268
Polygon	16	Rotanak Kiri	77203	4524	3710	12	5859.876
Polygon	17	Siem Reab	725640	10102	9649	75	1392.150
Polygon	18	Krong Preah Sihanouk	119567	606	323	29	506.829
Polygon	19	Stueng Traeng	72633	4719	4552	14	6497.047
Polygon	20	Svay Rieng	450675	1427	1244	13	316.636
Polygon	21	Takaev	729246	1234	1049	24	169.216
Polygon	22	Otdar Mean Chey	-99	-99	-99	-99	100000.000
Polygon	23	Krong Kaeb	23543	109	59	0	462.983
Polygon	24	Krong Pailin	-99	-99	-99	-99	100000.000

? Wrong calculation

Create New Variable in ArcView Table

ArcView GIS 3.3

File Edit Table Field Window Help

0 of 24 selected

Edit Table data

1

Attributes of Cambodia_96.shp

Shape	Provcode	Provname	Population	Case	Pf	Death	Incidence
Polygon	01	Banteay Mean Chey	518000	585	301	21	112.934
Polygon	02	Bat Dambang	660090	2137	2027	132	323.744
Polygon	03	Kampong Cham	1434518	3552	3274	91	247.609
Polygon	04	Kampong Chhnang	340818	3498	3488	7	1026.354
Polygon	05	Kampong Spueu	490130	8194	7851	24	1671.801
Polygon	06	Kampong Thum	564705	1516	1403	37	268.459
Polygon	07	Kampot	554650	11815	10811	6	2130.172
Polygon	08	Kandal	854995	277	202	1	32.398
Polygon	09	Kaoh Kong	71430	3393	2662	74	4750.105
Polygon	10	Kracheh	222892	5840	5641	52	2620.103
Polygon	11	Mondol Kiri	22047	3417	3417	11	15498.707
Polygon	12	Phnom Penh	812484	217	198	7	26.708
Polygon	13	Preah Vihear	101052	2167	2051	17	2144.440
Polygon	14	Prey Veaeng	974466	568	533	14	58.288
Polygon	15	Pousat	314435	6648	6512	74	2114.268
Polygon	16	Rotanak Kiri	77203	4524	3710	12	5859.876
Polygon	17	Siem Reab	725640	10102	9649	75	1392.150
Polygon	18	Krong Preah Sihanouk	119567	606	323	29	506.829
Polygon	19	Stueng Traeng	72633	4719	4552	14	6497.047
Polygon	20	Svay Rieng	450675	1427	1244	13	316.636
Polygon	21	Takaev	729246	1234	1049	24	165.216
Polygon	22	Otdar Mean Chey	-99	-99	-99	-99	100000.000
Polygon	23	Krong Kaeb	23543	109	59	0	462.983
Polygon	24	Krong Pallin	-99	-99	-99	-99	100000.000

2

Create New Variable in ArcView Table

ArcView GIS 3.3

File Edit Table Field Window Help

0 of 24 selected

Attributes of Cambodia_96.shp

Shape	Provcode	Provname	Population	Case	Pf	Death	Incidence
Polygon	01	Banteay Mean Chey	518000	585	301	21	112.934
Polygon	02	Bat Dambang	660090	2137	2027	132	323.744
Polygon	03	Kampong Cham	1434518	3552	3274	91	247.609
Polygon	04	Kampong Chhnang	340818	3498	3488	7	1026.354
Polygon	05	Kampong Spueu	490130	8194	7851	24	1671.801
Polygon	06	Kampong Thum	564705	1516	1403	37	268.459
Polygon	07	Kampot	554650	11815	10811	6	2130.172
Polygon	08	Kandal	854995	277	202	1	32.398
Polygon	09	Kaoh Kong	71430	3393	2652	74	4750.105
Polygon	10	Kracheh	222892	5840	5641	52	2620.103
Polygon	11	Mondol Kiri	22047	3417	3417	11	15498.707
Polygon	12	Phnom Penh	812484	217	198	7	26.708
Polygon	13	Preah Vihear	101052	2167	2051	17	2144.440
Polygon	14	Prey Veaeang	974466	568	533	14	58.288
Polygon	15	Pousat	314435	6648	6512	74	2114.268
Polygon	16	Rotanak Kiri	77203	4524	3710	12	5859.876
Polygon	17	Siem Reab	725640	10102	9649	75	1392.150
Polygon	18	Krong Preah Sihanouk	119567	606	323	29	506.829
Polygon	19	Stueng Traeng	72633	4719	4552	14	6497.047
Polygon	20	Svay Rieng	450675	1427	1244	13	316.636
Polygon	21	Takaev	729246	1234	1049	24	169.216
Polygon	22	Otdar Mean Chey	-99	-99	-99	-99	-99.000
Polygon	23	Krong Kaeb	23543	109	59		462.983
Polygon	24	Krong Pailin	-99	-99	-99	-99	-99.000

Create New Variable in ArcView Table

1

Properties...
Chart...
Stop Editing
Save Edits
Save Edits As...
Find... Ctrl+F
Query... Ctrl+Q
Promote
Join Ctrl+J
Remove All Joins
Link
Remove All Links
Refresh

Province	Population	Case	Pf	Death	Incidence	
Chhambay	518000	585	301	21	112.934	
Banteay Meanchey	660090	2137	2027	132	323.744	
Battambang	1434518	3552	3274	91	247.609	
Chhnang	340818	3498	3488	7	1026.354	
Chhieu	490130	8194	7851	24	1671.801	
Chhnum	564705	1516	1403	37	268.459	
Chhnum	554650	11815	10811	6	2130.172	
Polygon 08	Kandal	854995	277	202	1	32.398
Polygon 09	Kaoh Kong	71430	3393	2662	74	4750.105
Polygon 10	Kracheh	222892	5840	5641	52	2620.103
Polygon 11	Mondol Kiri	22047	3417	3417	11	15498.707
Polygon 12	Phnom Penh	812484	217	198	7	26.708
Polygon 13	Preah Vihear	101052	2167	2051	17	2144.440
Polygon 14	Prey Veang	974466	568	533	14	58.298
Polygon 15	Pousat	314435	6648	6512	74	2114.268
Polygon 16	Rotanak Kiri	77203	4524	3710	12	5859.876
Polygon 17	Siem Reab	725640	10102	9649	75	1392.150
Polygon 18	Krong Preah Sihanouk	119567	606	323	29	506.829
Polygon 19	Stueng Traeng	72633	4719	4552	14	6497.047
Polygon 20	Svay Rieng	450675	1427	1244	13	316.636
Polygon 21	Takaev	729246	1234	1049	24	169.216
Polygon 22	Otdar Mean Chey	-99	-99	-99	-99	-99.000
Polygon 23	Krong Kaeb	23543	109	59	0	462.983
Polygon 24	Krong Pailin	-99	-99	-99	-99	-99.000

Starts or stops editing of table values