GIS OUTPUT

ArcGIS can produce many forms of output, including interactive map documents, printed maps for distribution, image files for use in presentation or on Web sites and map animations. One construct map compositions in ArcMapwhile in layout mode. One can add elements, including one or more maps, a title, a map legend, a north arrow, or a scale bar. In addition, it is possible to add graphs or tabular reports to layout.

Main learning objectives are following :

- Create map layout
- Create a custom map template with two maps
- Add a graph to a layout

TUTORIAL 2-1

Create Map Layout

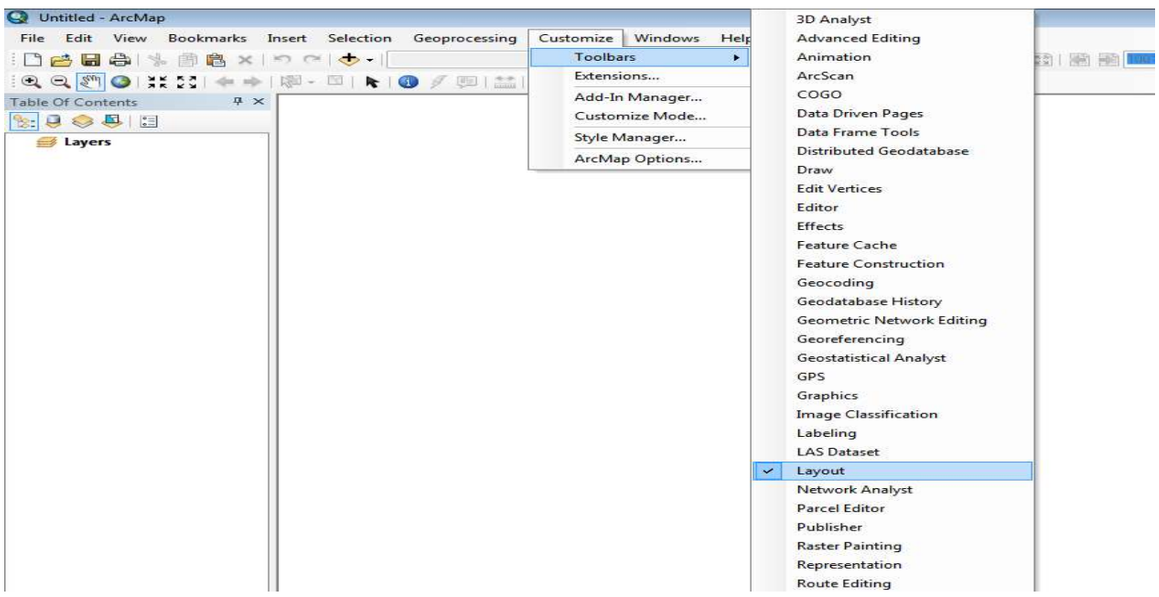
2.1.1 Use a pre-built layout template	2.1.6 Insert a title
2.1.2 Save a layer file	2.1.7 Insert a legend
2.1.3Verify layout view options	2.1.8 Insert a scale bar
2.1.4 Setup layout page orientation and size	2.1.9 Insert a north arrow
2.1.5 Create and use guidelines in the layout view	2.1.10 Insert a text

2.1.1 Use a pre-built layout template

Open Arc Map 10.2

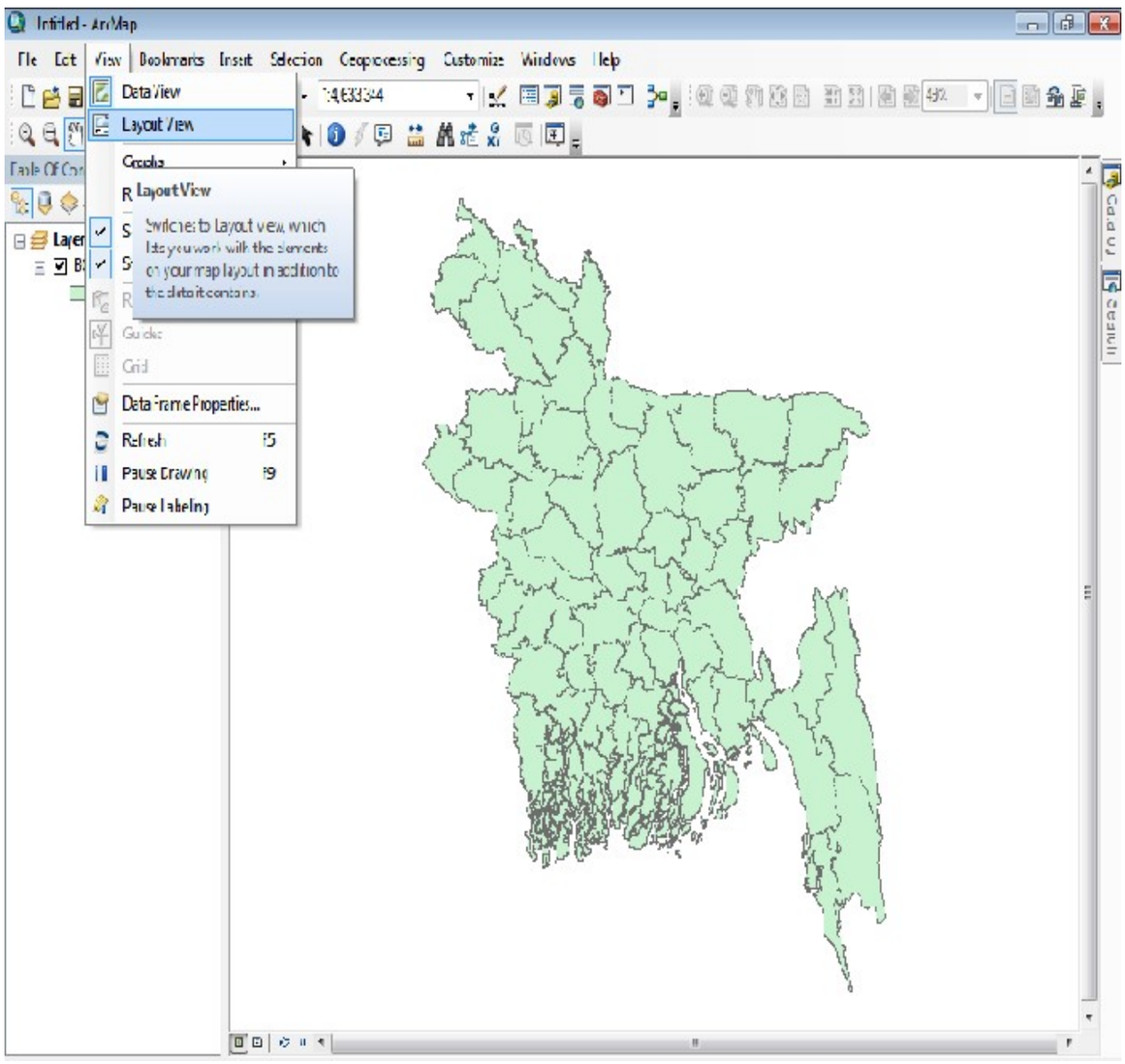
Open (New- create a new map) →Blank map→ Ok

Customize →Toolbar →On Layout

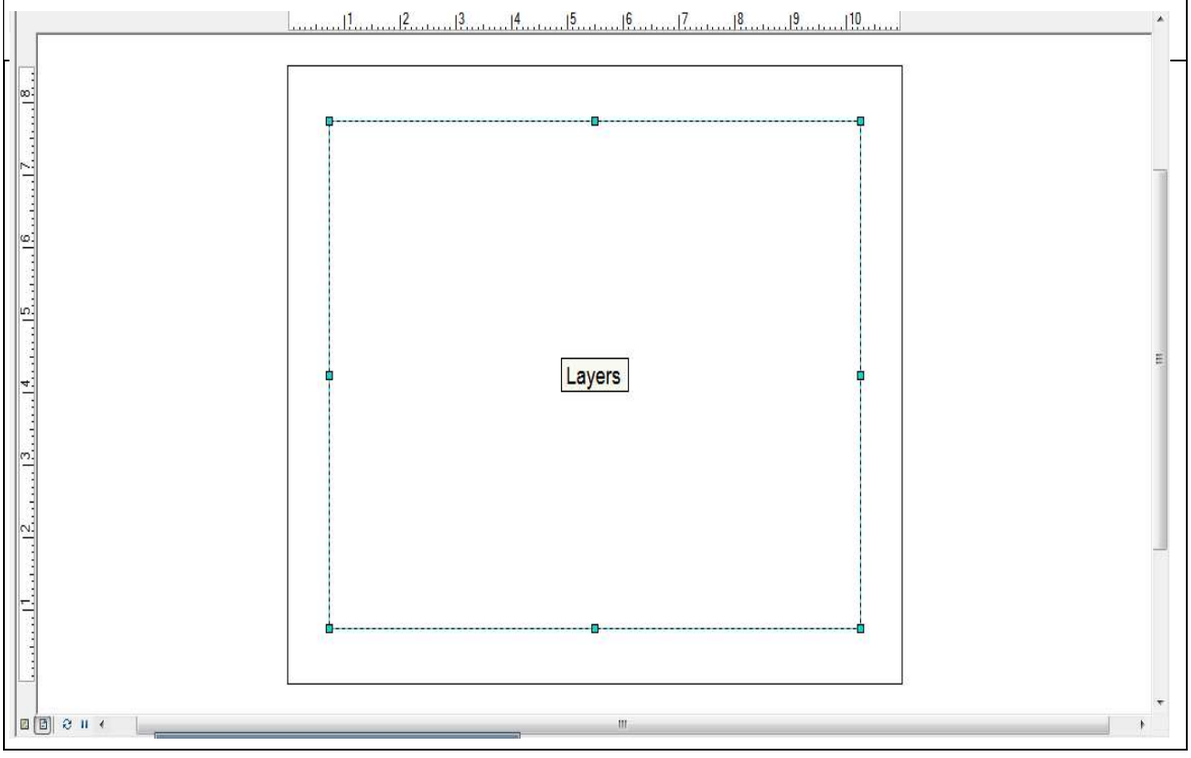


1. Browse to the drive D:\CE210\Tutorial 2-2
2. Click the Tutorial 1-1.mxd icon and click open.

Click View →Layout View

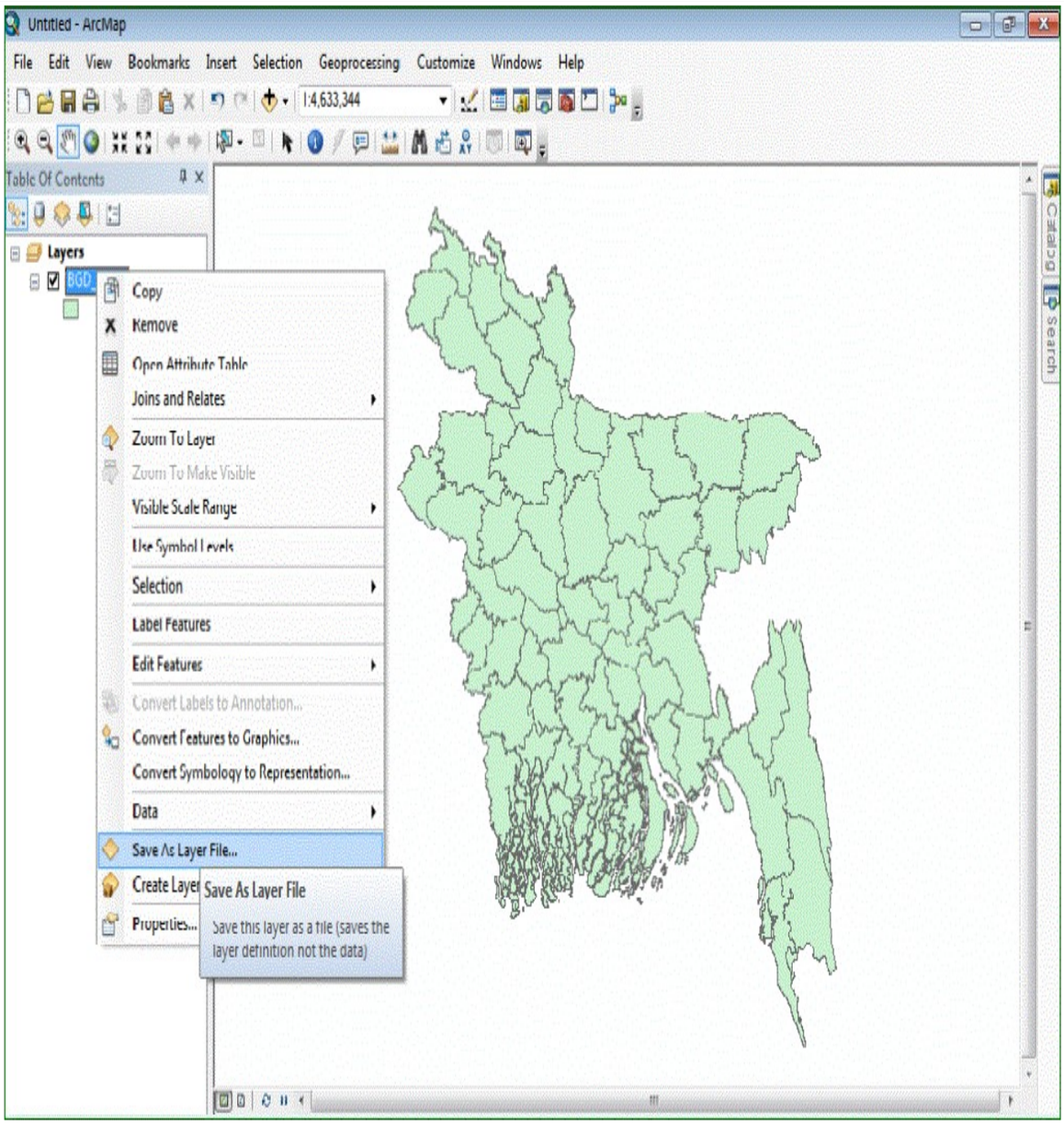


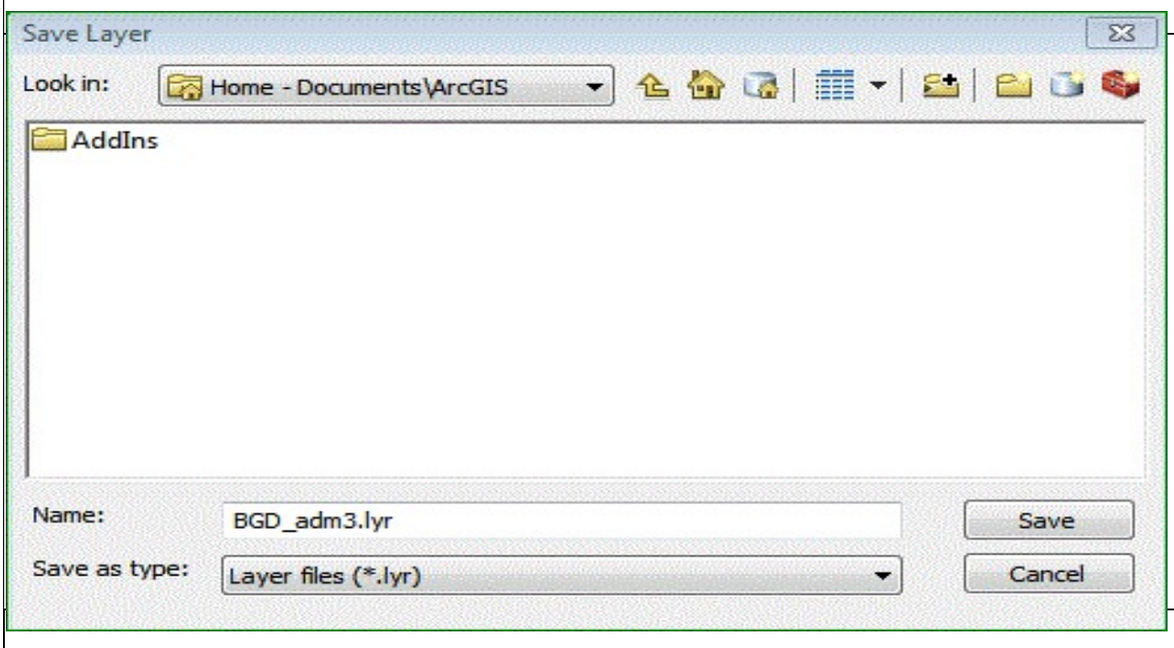
Then a blank map will be opened like as follows



2.1.2 Save as a layer file

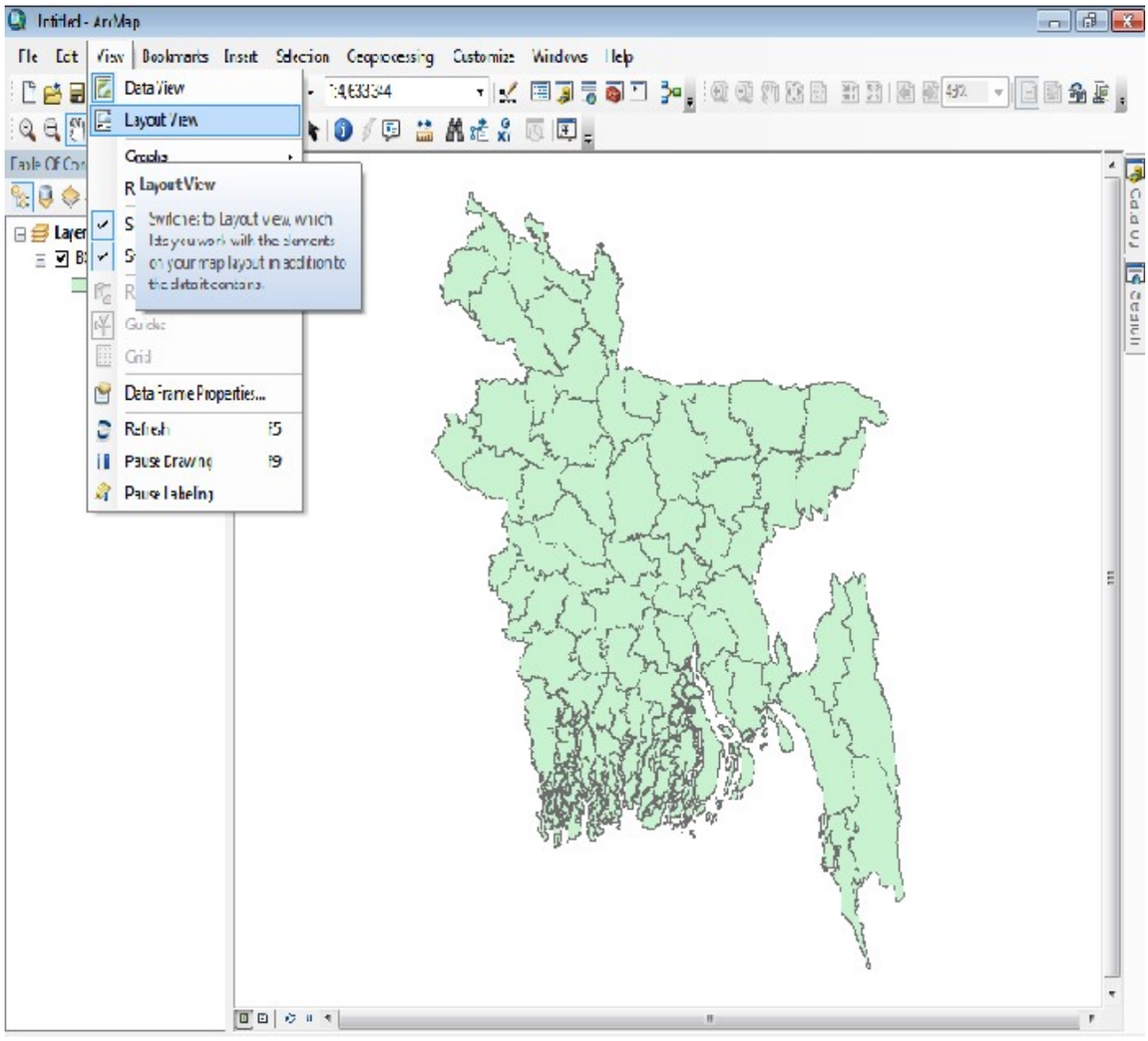
Layers →BGD_ adm3→Right click→ Save as layer file →BGD_adm3.lyr →Save

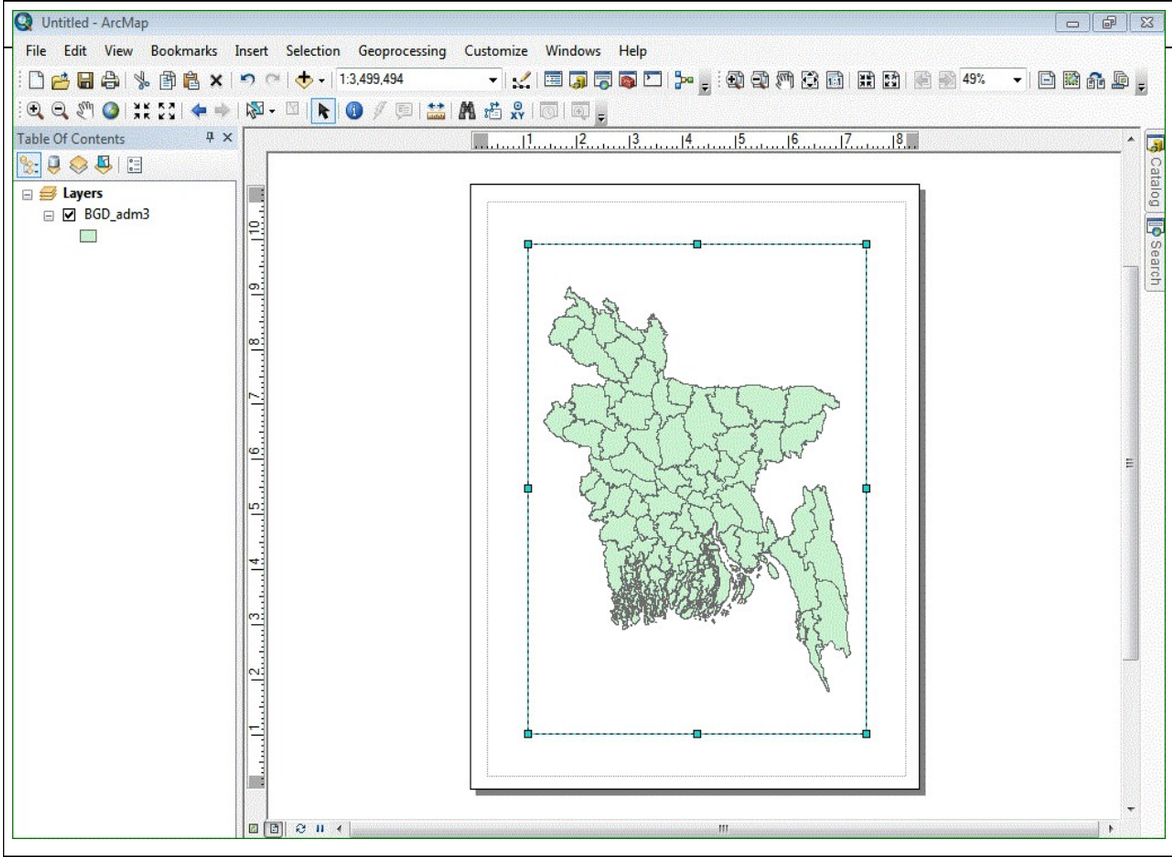




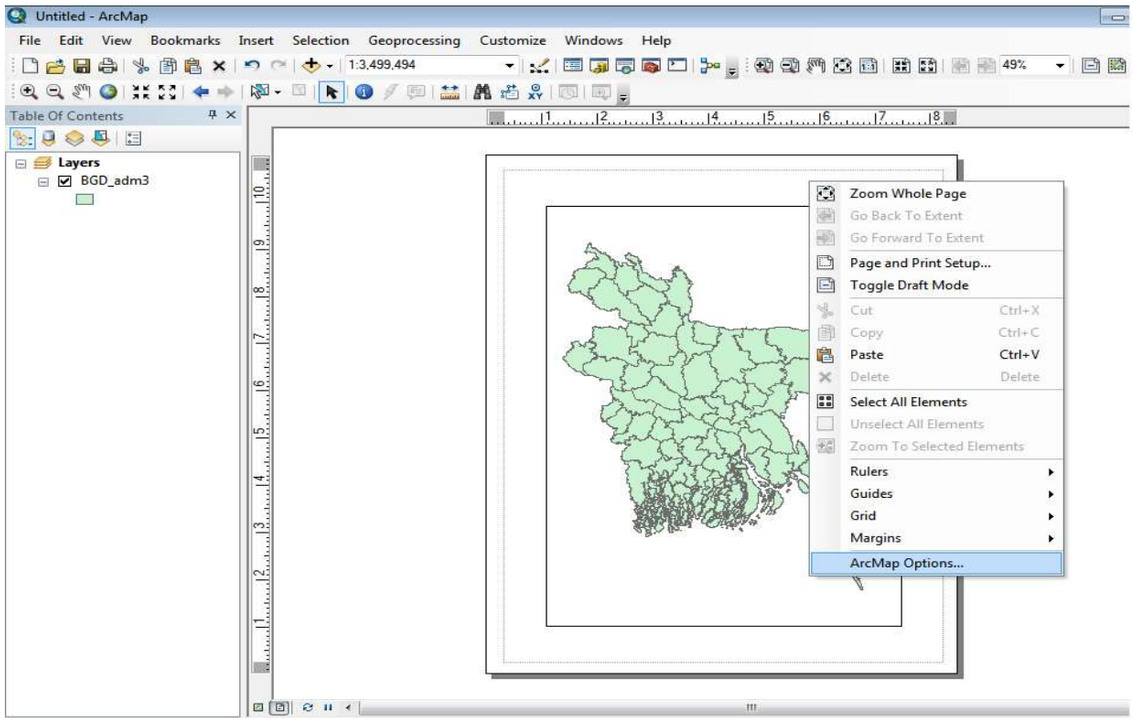
2.1.3 Verify Layout View Options

Click View →Layout View

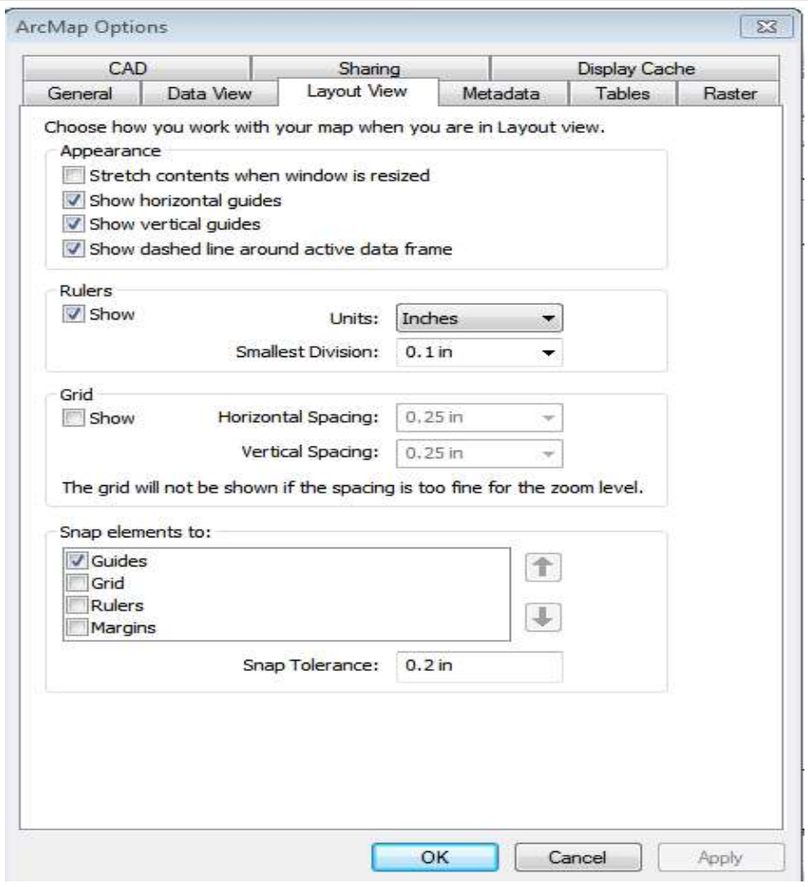




Right click on Map →Arc Map options



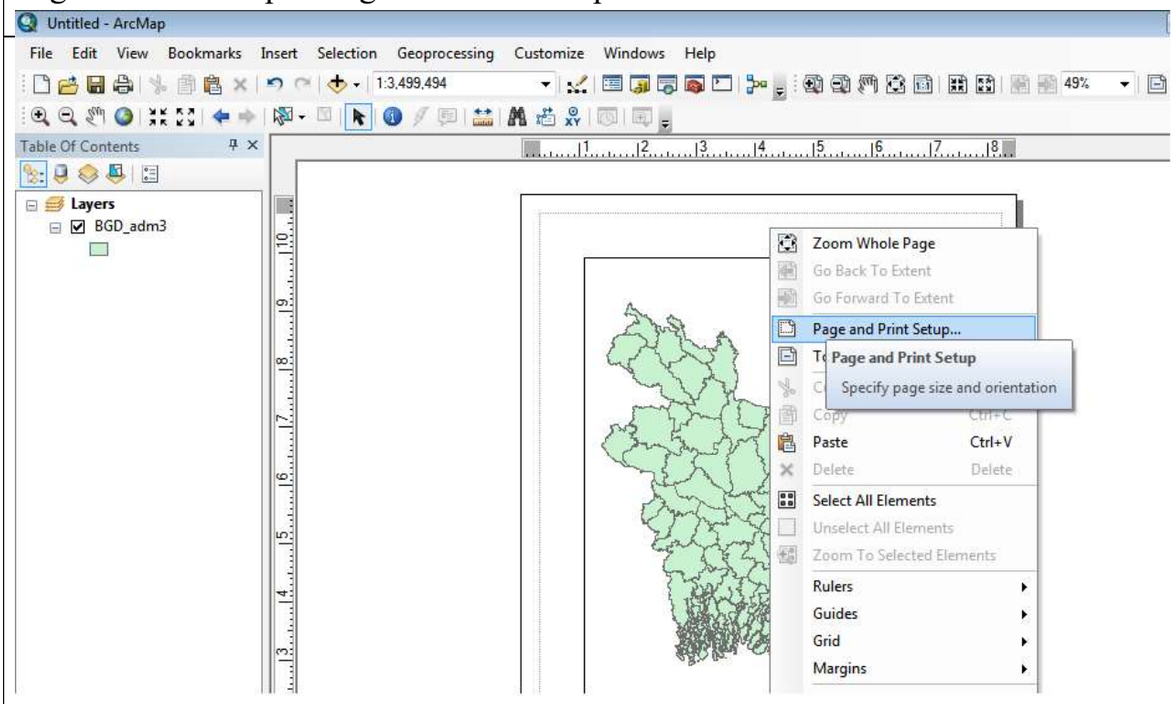
After Clicking ArcMap Options a new window box will open in which layout tab to be selected

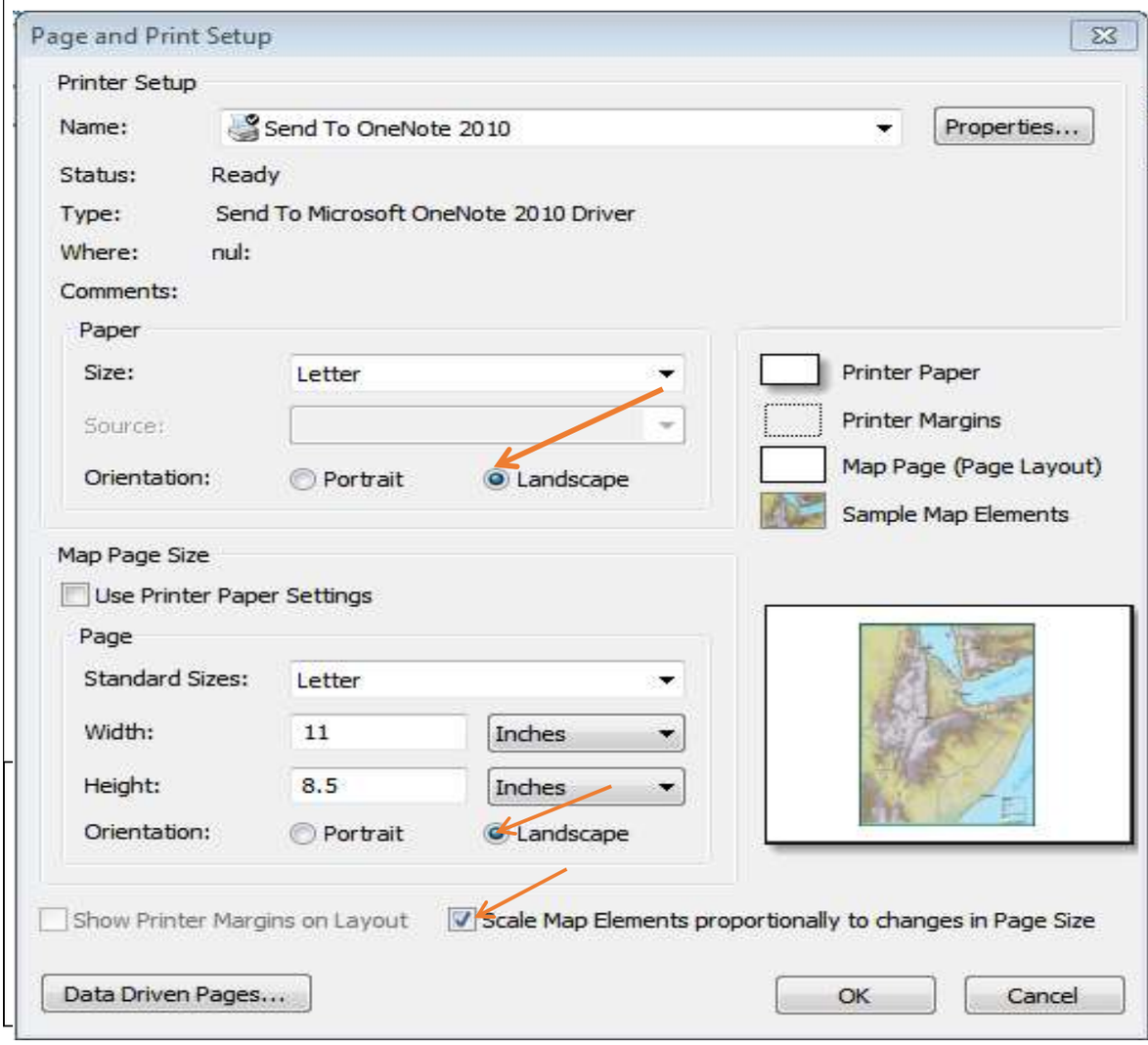


We have to check here that show horizontal guides, show vertical guides, show dashed line around active data frame, Rulers show, guides under snap elements to is selected or not.If not selected then we have to select this option.After that click ok .

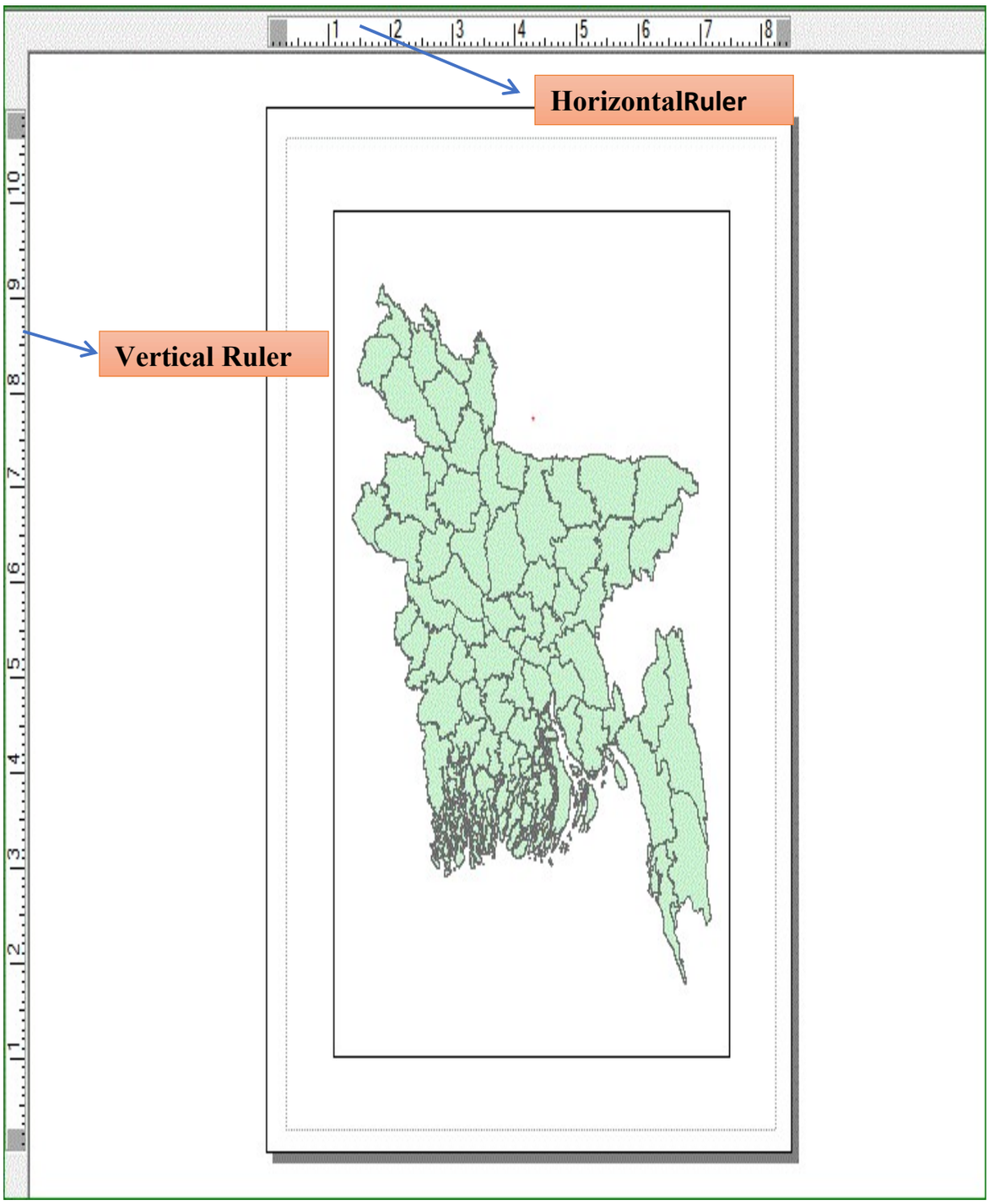
2.1.4 Setup layout page orientation and size

Right click on Map →Page and Print Setup

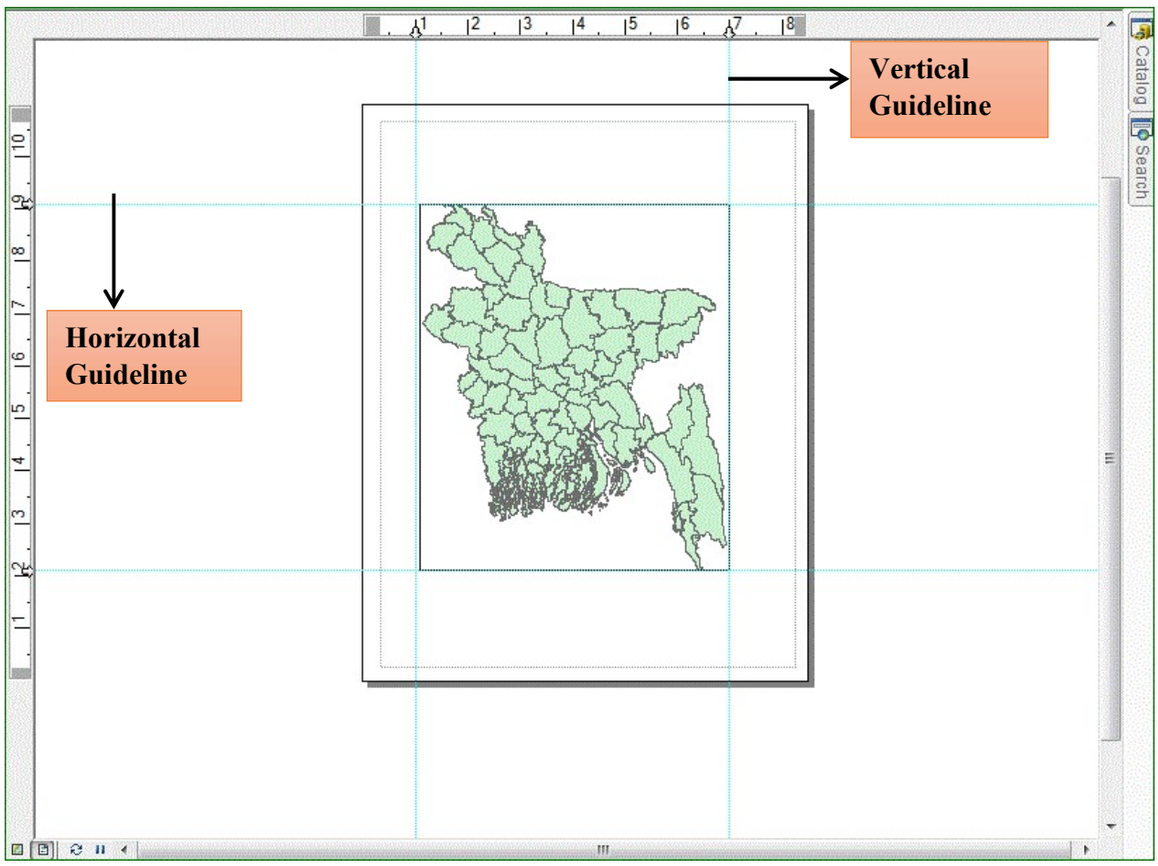




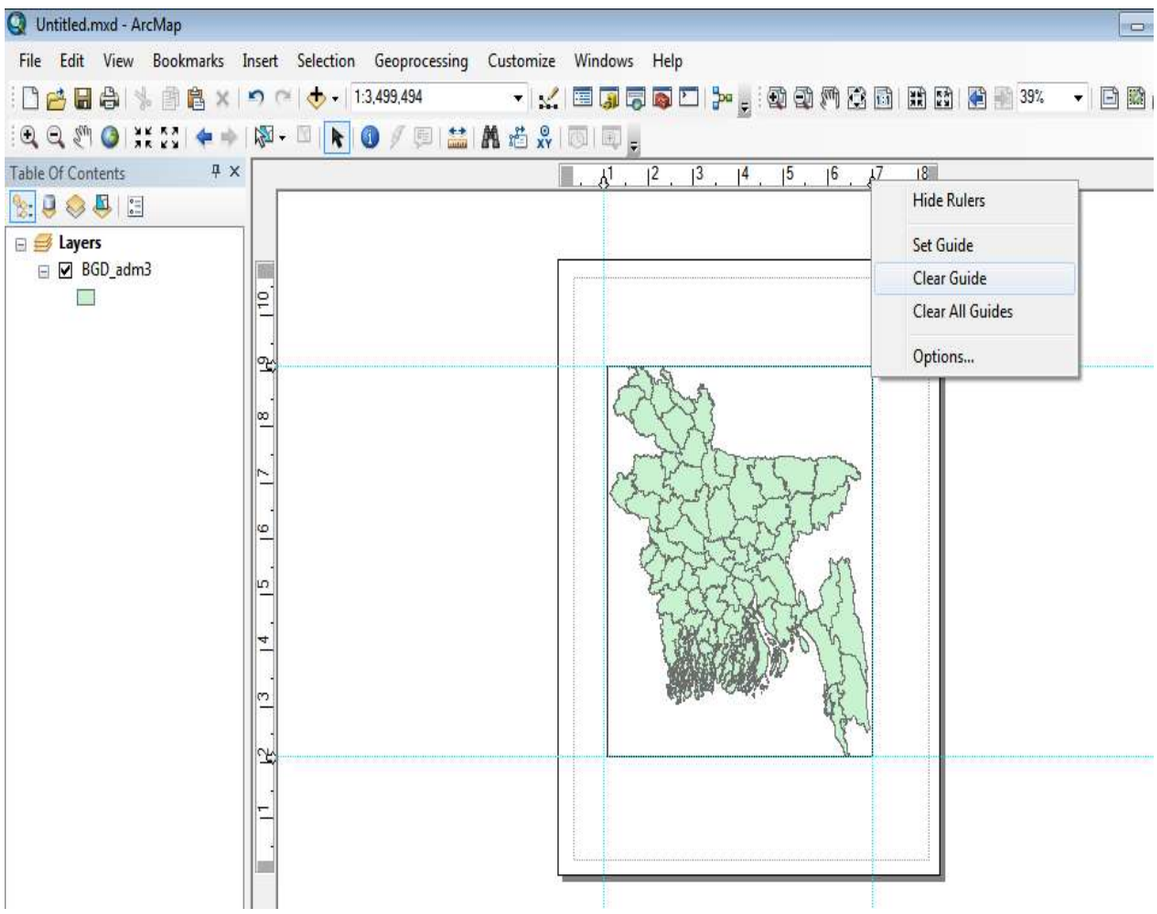
2.1.5 Create and Use guidelines in the layout view



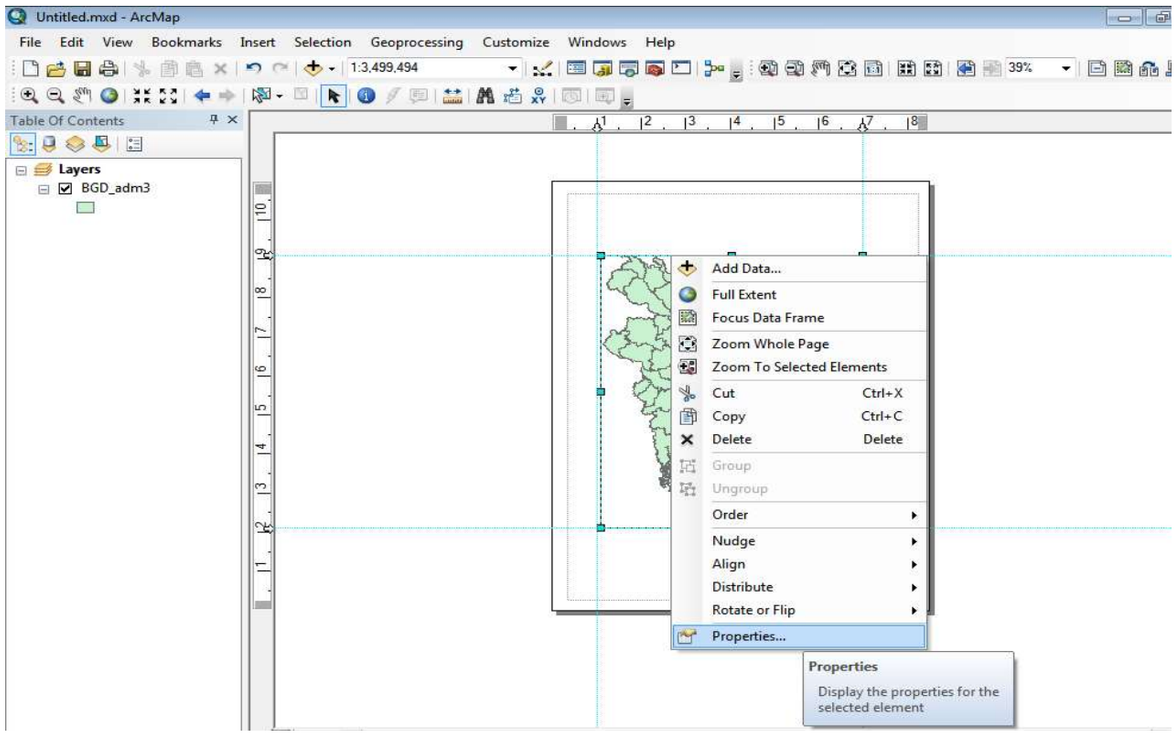
Make vertical guidelines on 1 and 7 inches& also make horizontal guideline on 2 and 9 inches.Drag the map to adjust it within the box which is created through these guidelines.



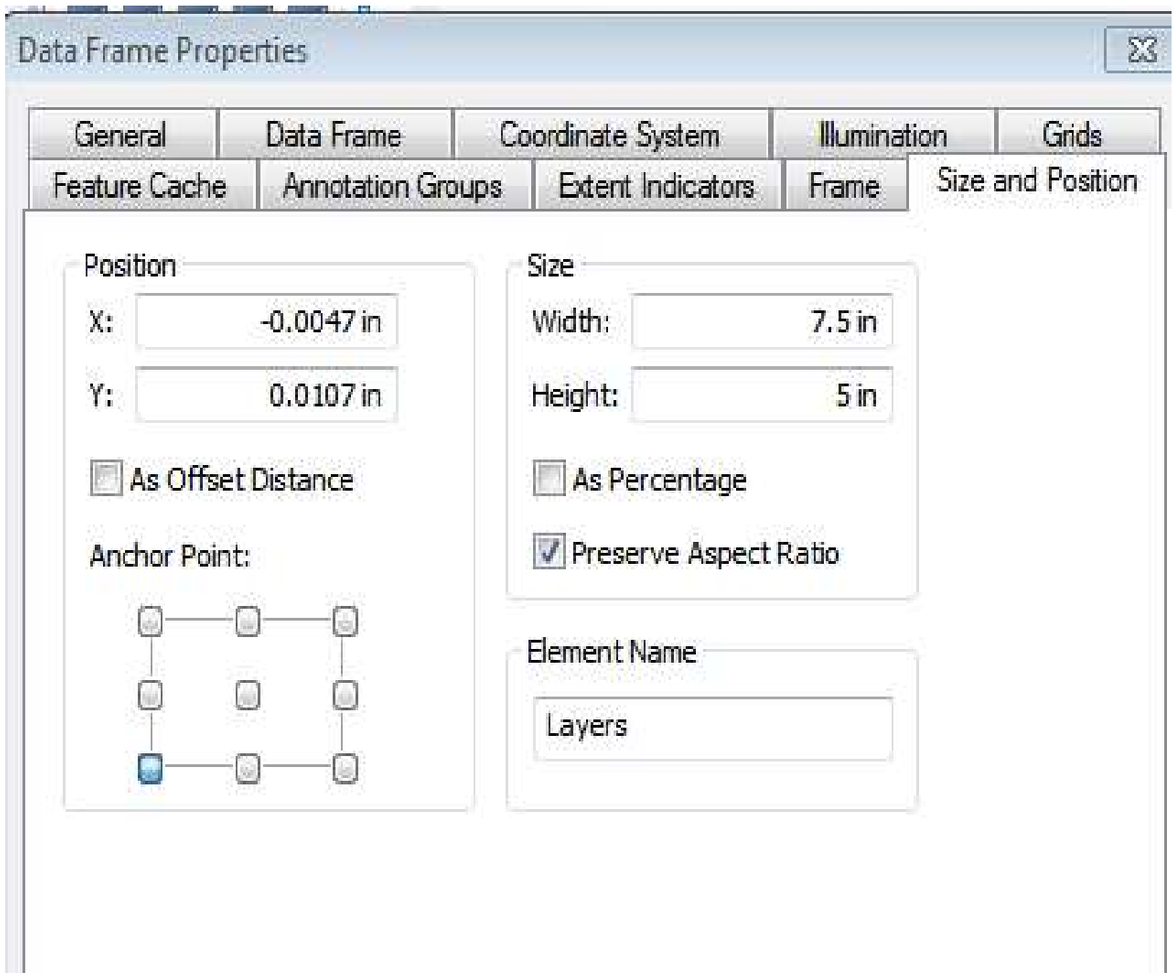
If you place your guide at the wrong location , then right click its arrow on the ruler , click clear guide and start over.



Right click on Map→ Properties→



Open Size and Position Tab from Data Frame properties and select width and height according to your requirement for adjusting map under specific guidelines.

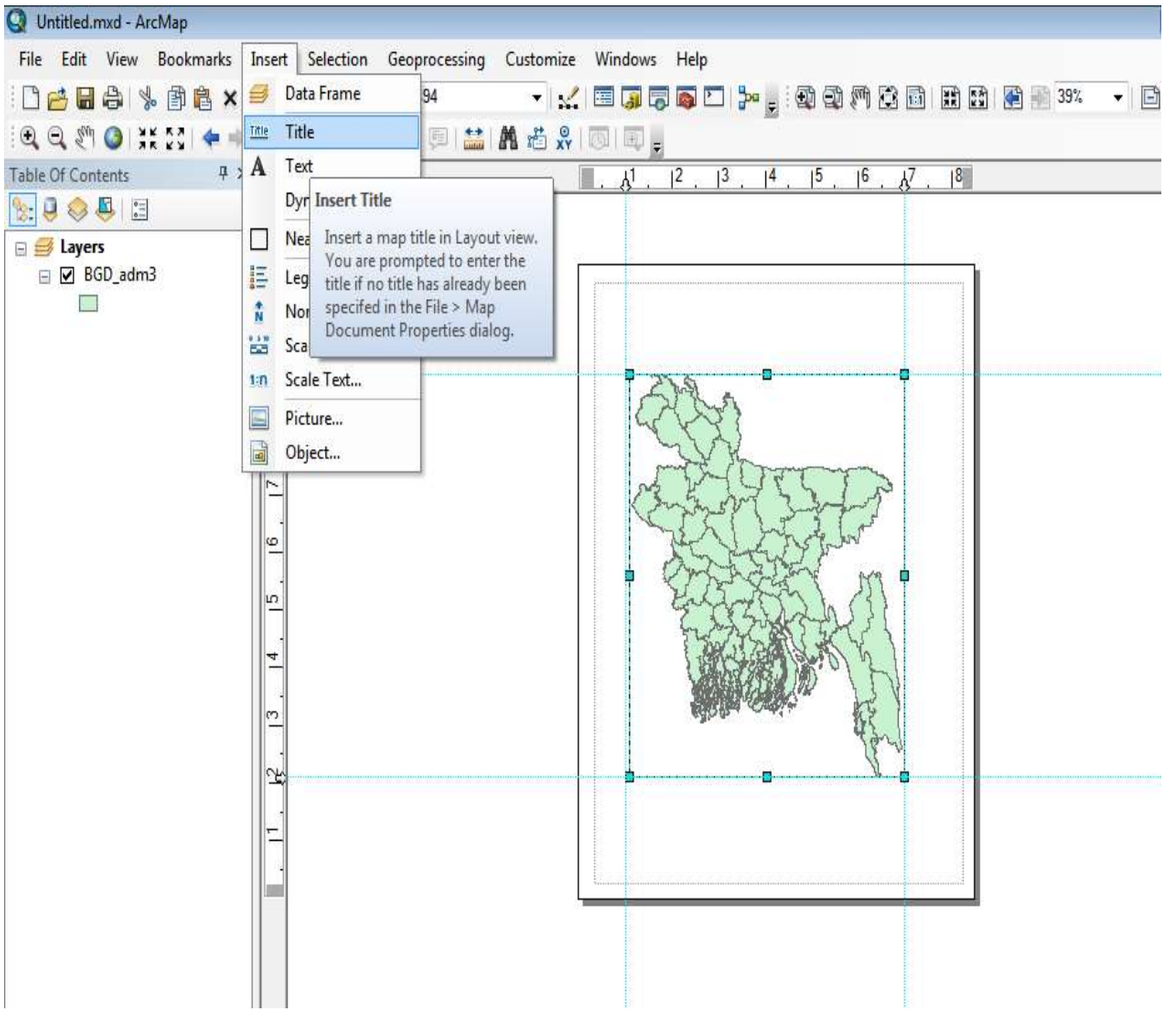


Then press Ok. By pressing the ok button the map will be reshaped and raadjusted.

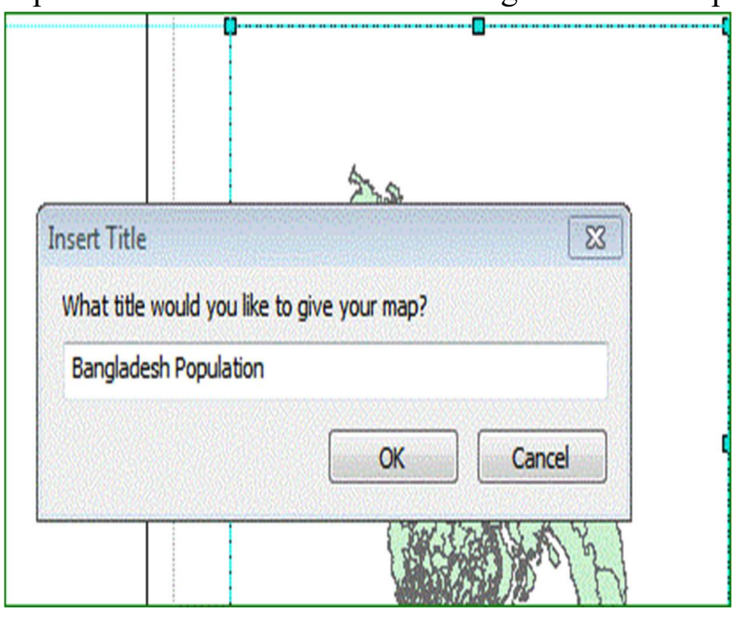
2.1.6Insert a Title

Click Insert on the main menu

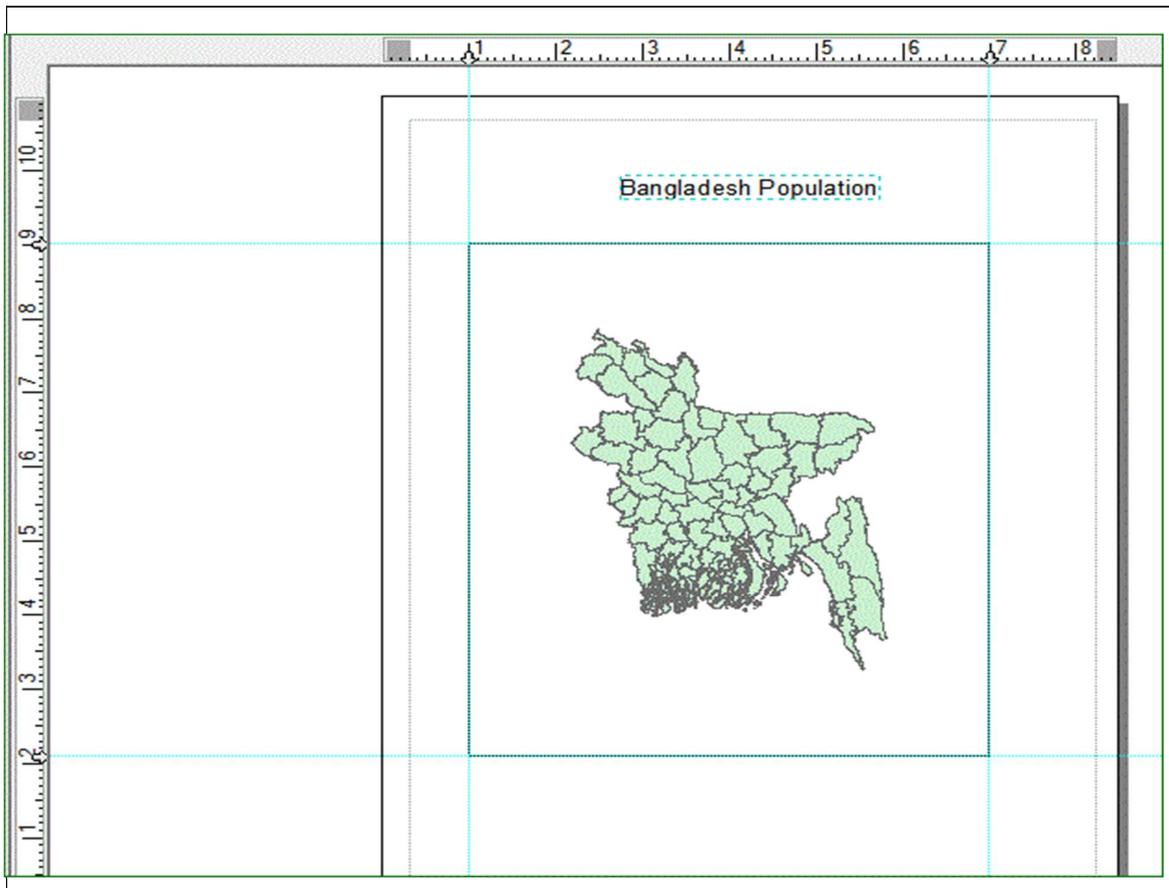
Insert →Title→



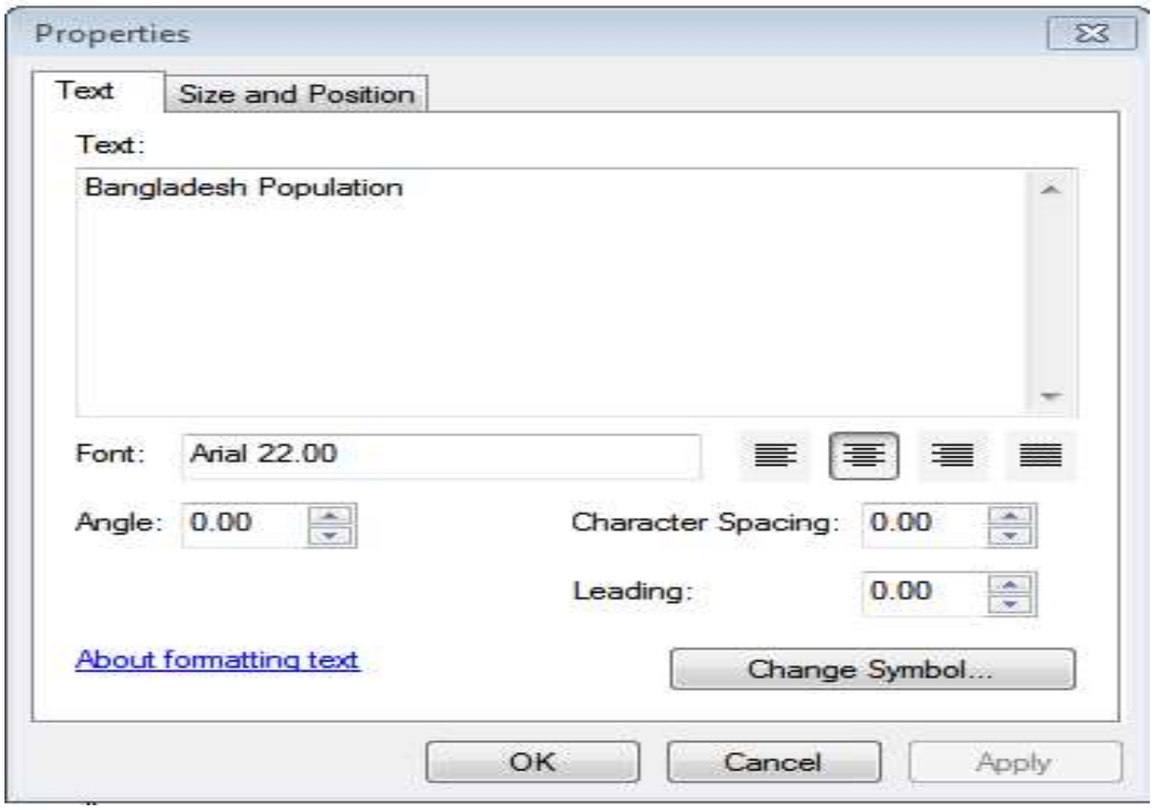
Input Title Name under the following box and then press ok



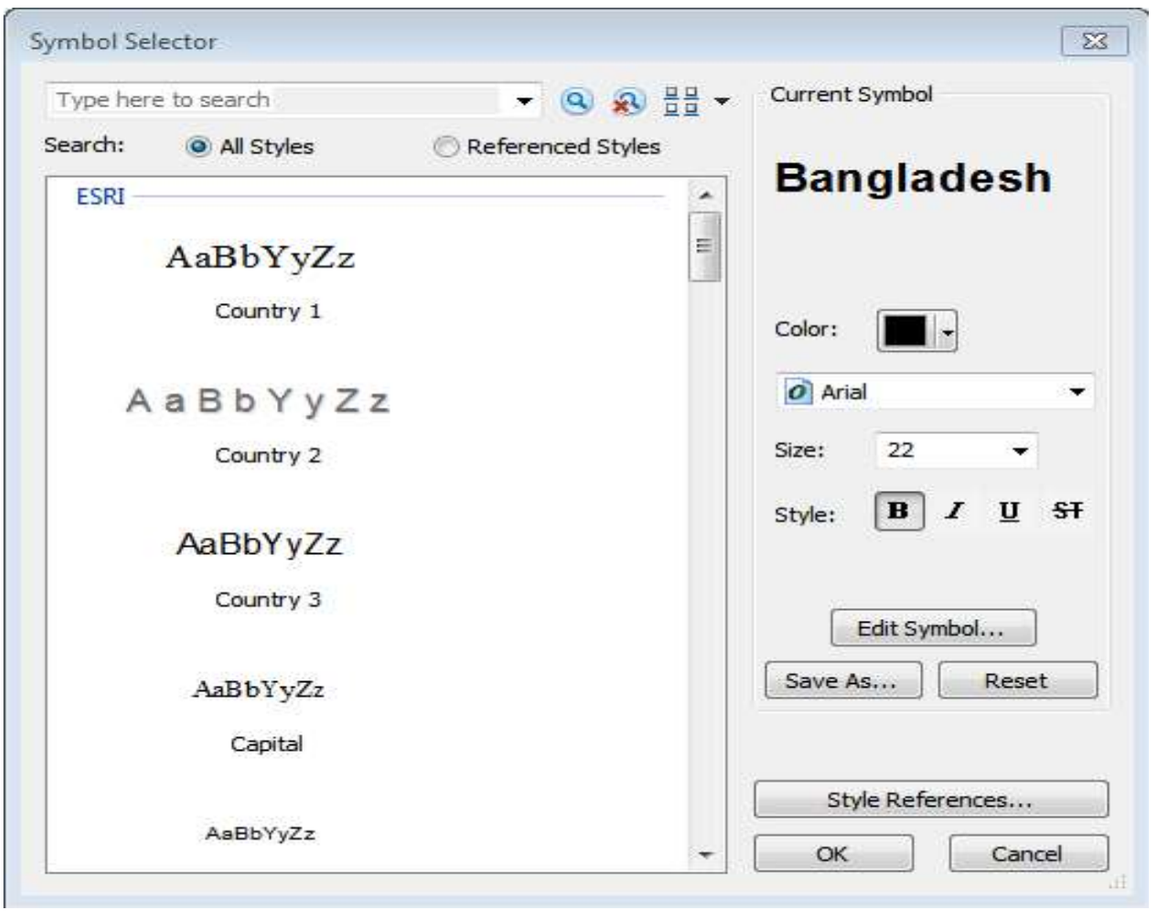
After pressing OK button a title bar will be shown at the top of the map just like as the following image.



Then Double click on Title bar to change the style of font and angle of the title.

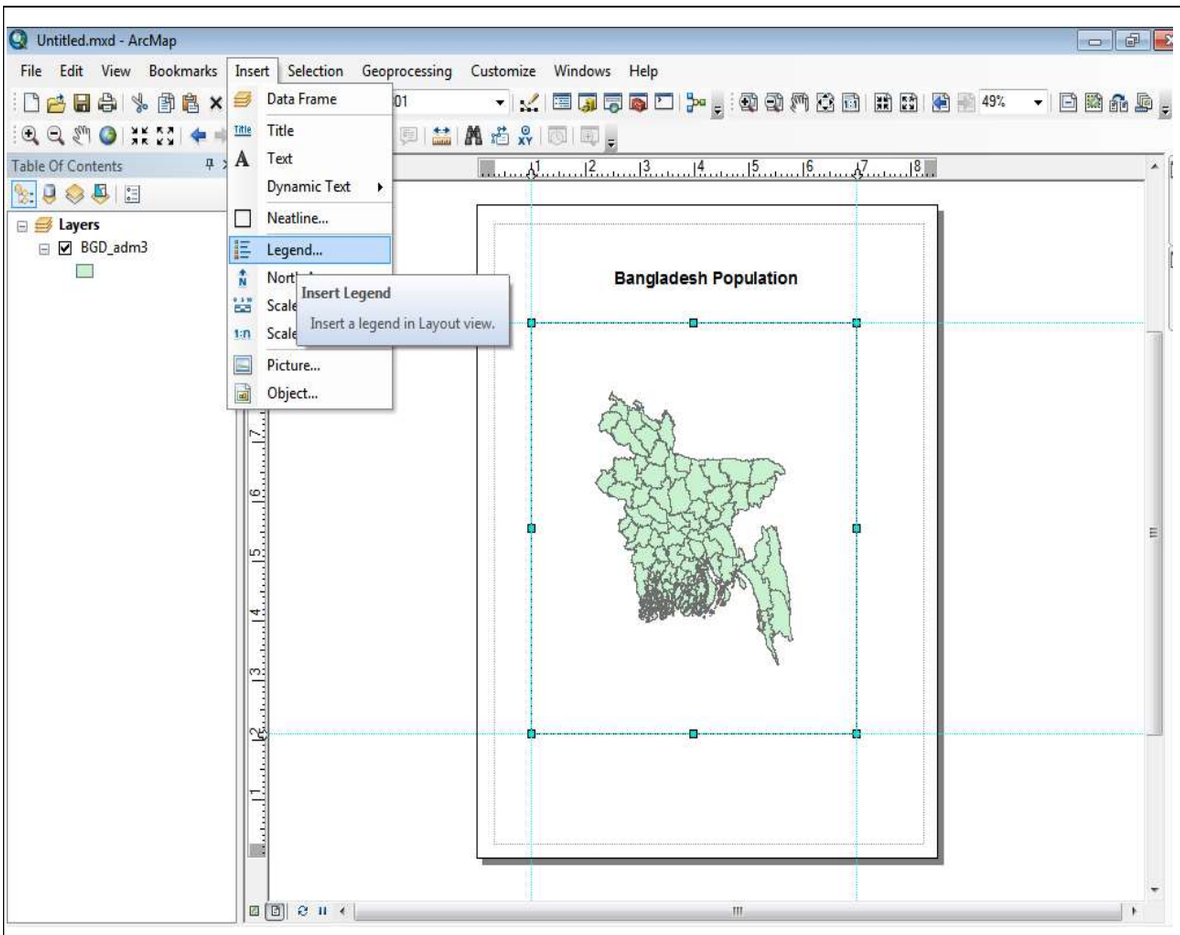


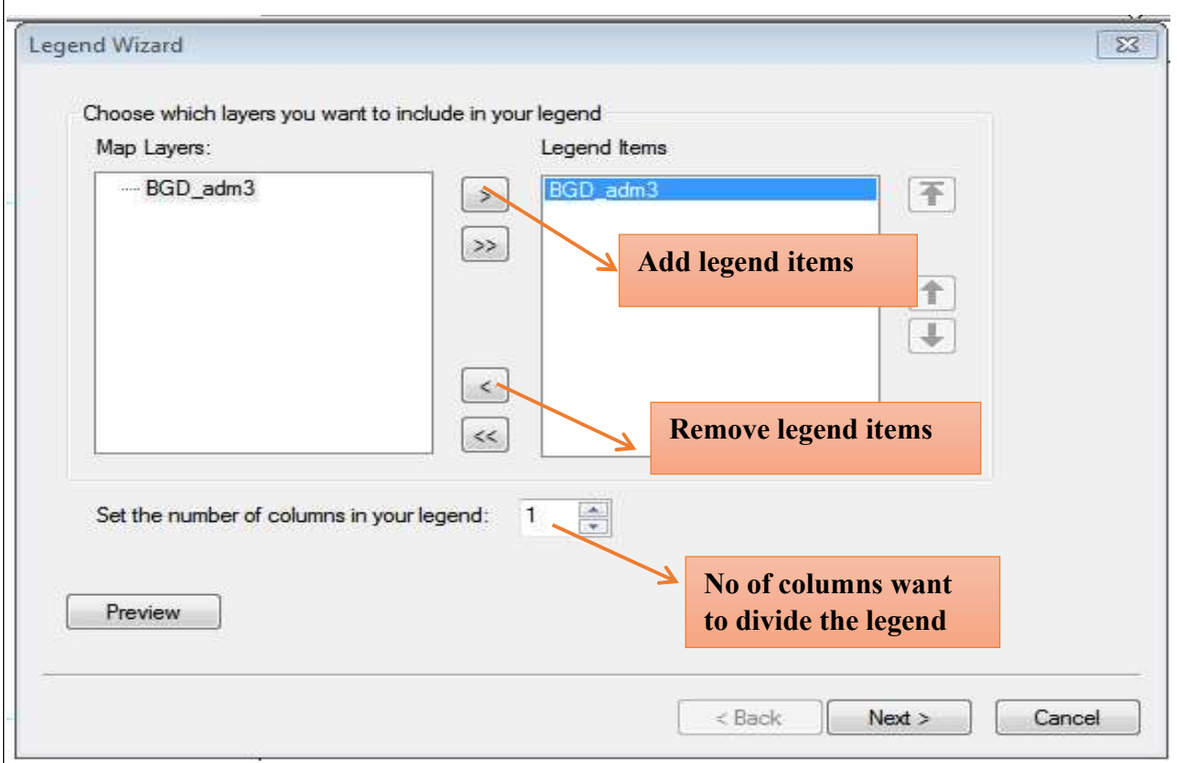
Then Click on Change Symbol. After this click a new box will be opened where you can change the color, size and style of the title according to your wish.



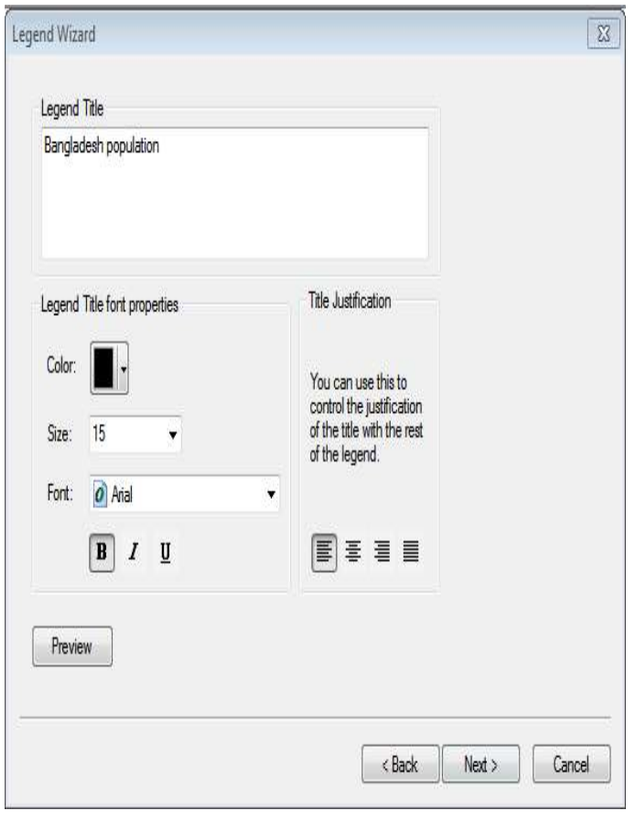
2.1.7 Insert a Legend

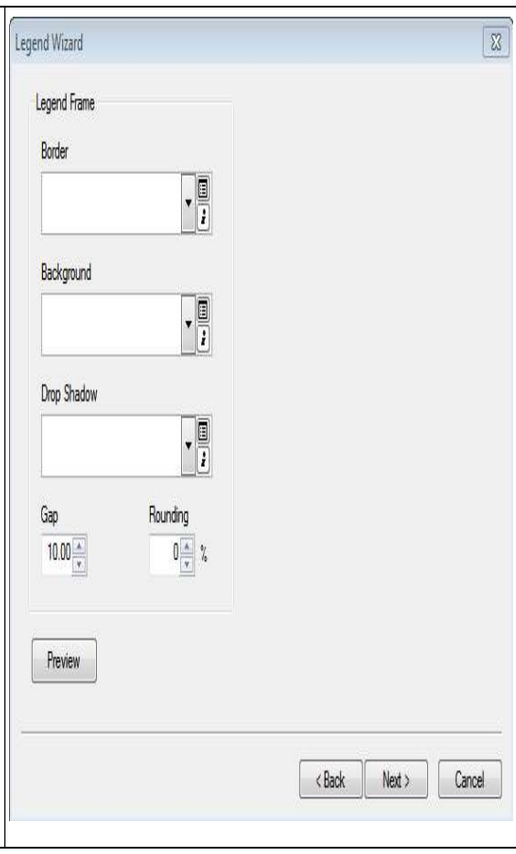
Click Insert on the main menu
Insert→Legend. A legend wizard box will be opened.





Then click Next button. By this a new window will be opened as below

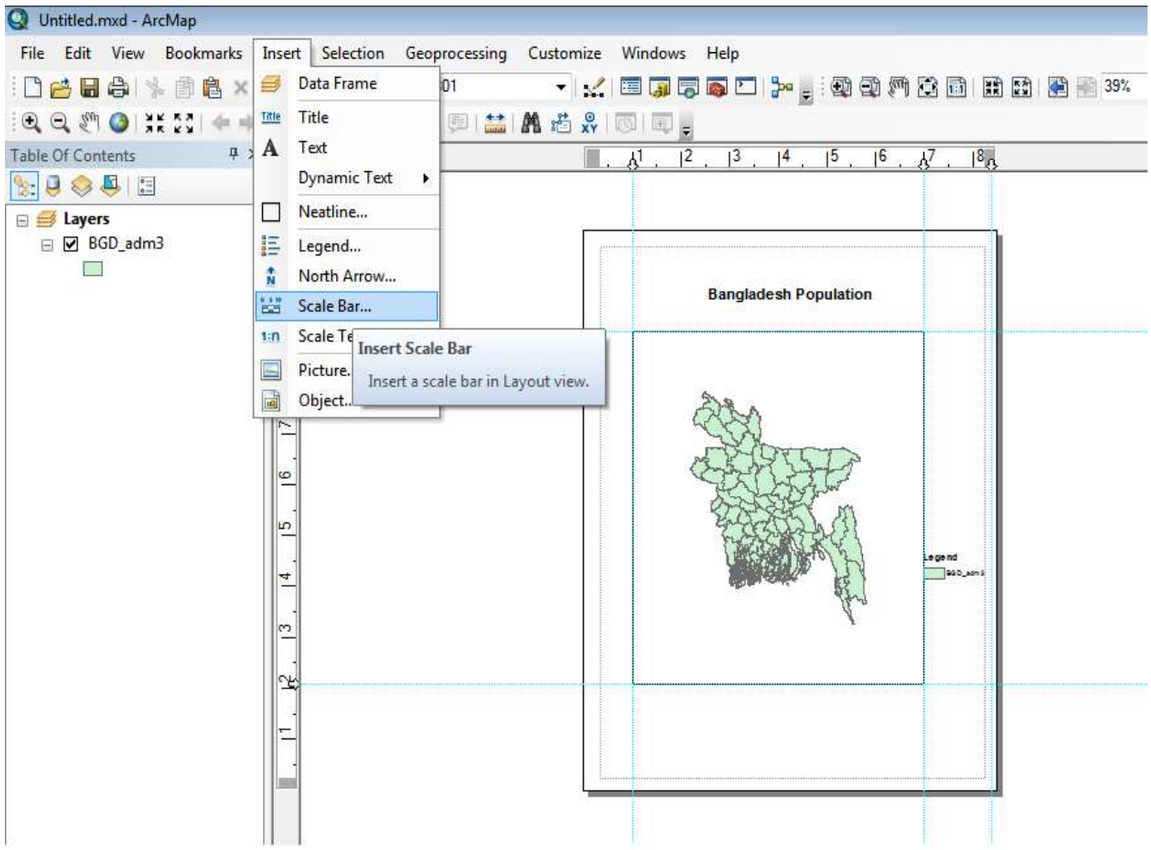




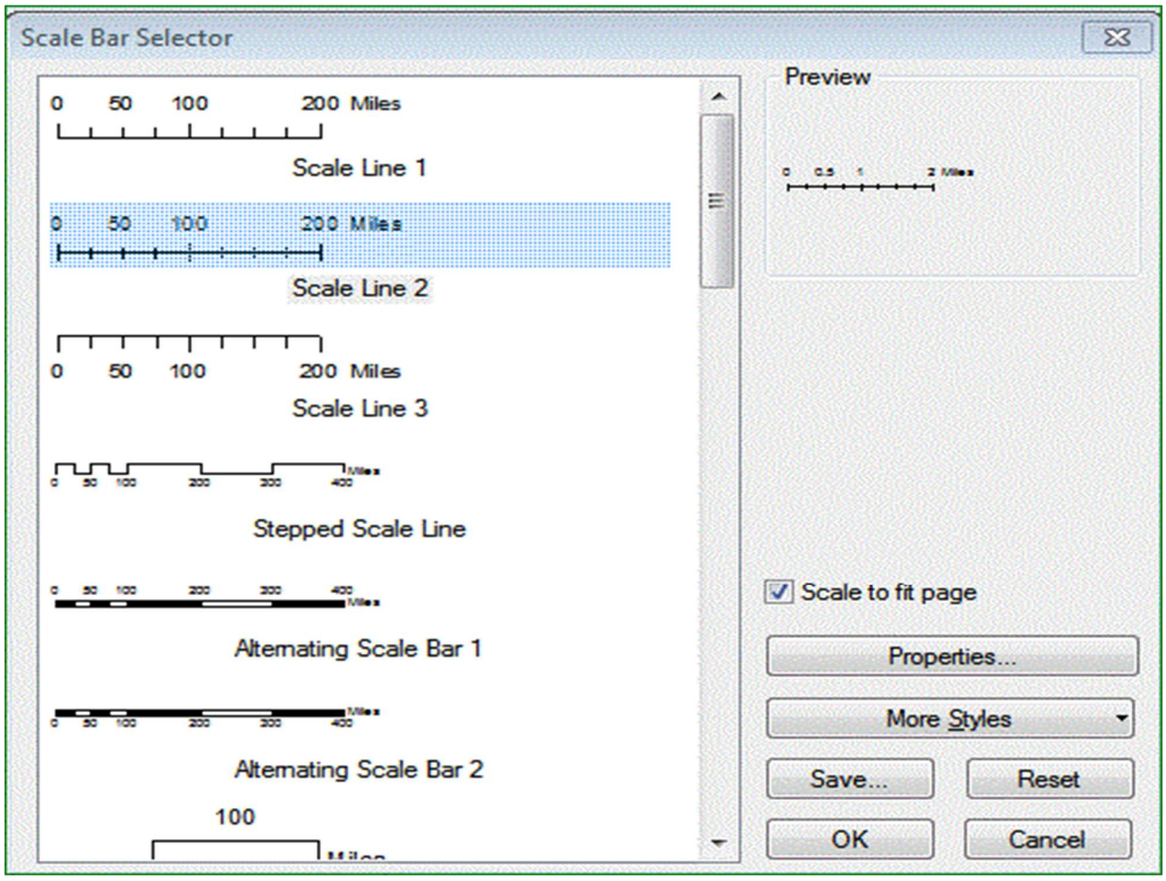
Then Click next twice and then click finish. After clicking Finish a new legend bar will be seen on the map.

2.1.8 Insert a Scale Bar

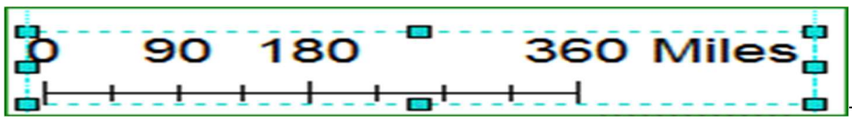
Insert → Scale bar



After clicking Scale Bar. A new box will be opened from which we choose Scale Line 2 and press OK.

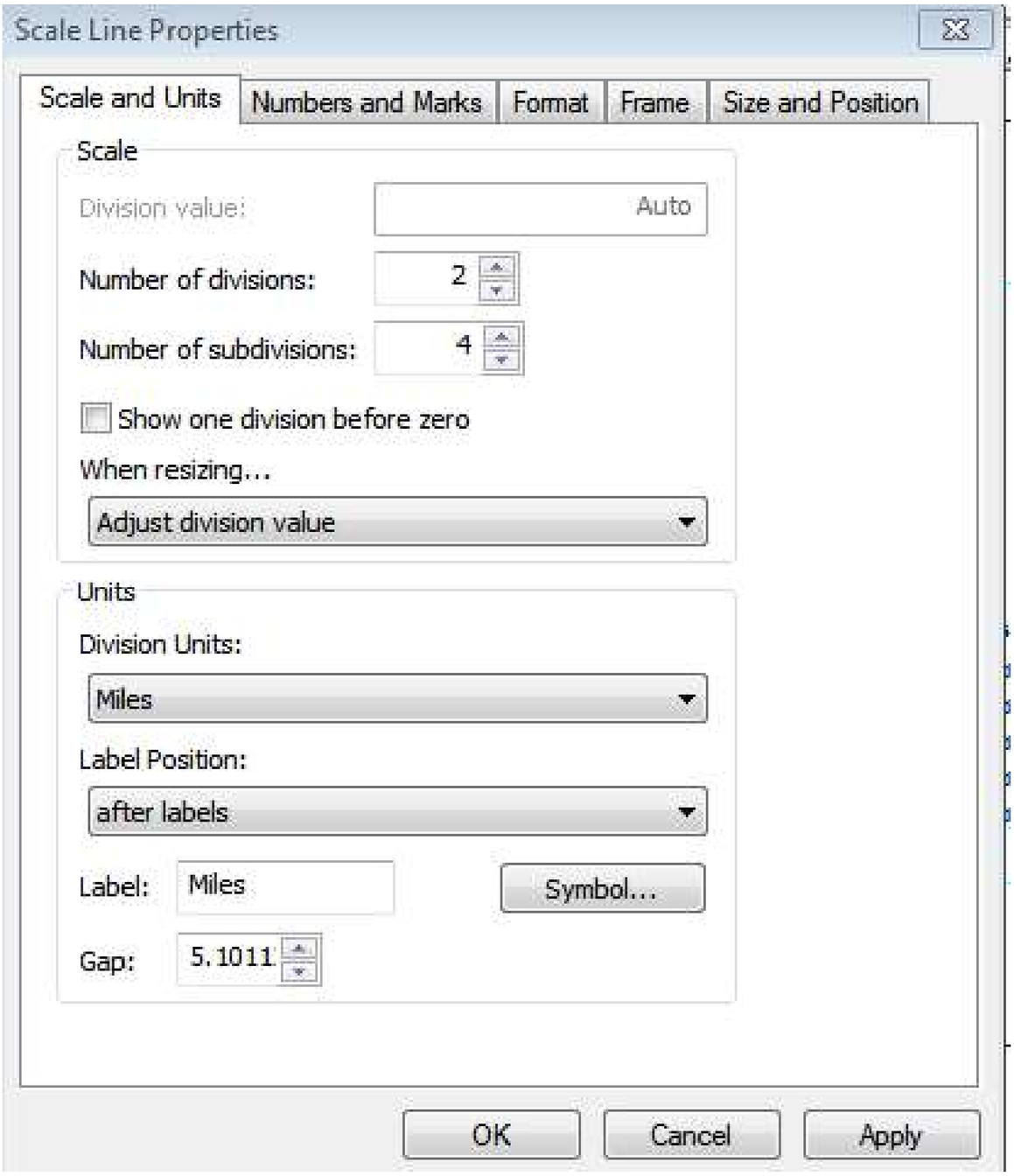


After pressing ok a new scale bar will be shown on the map.



→ Scale bar

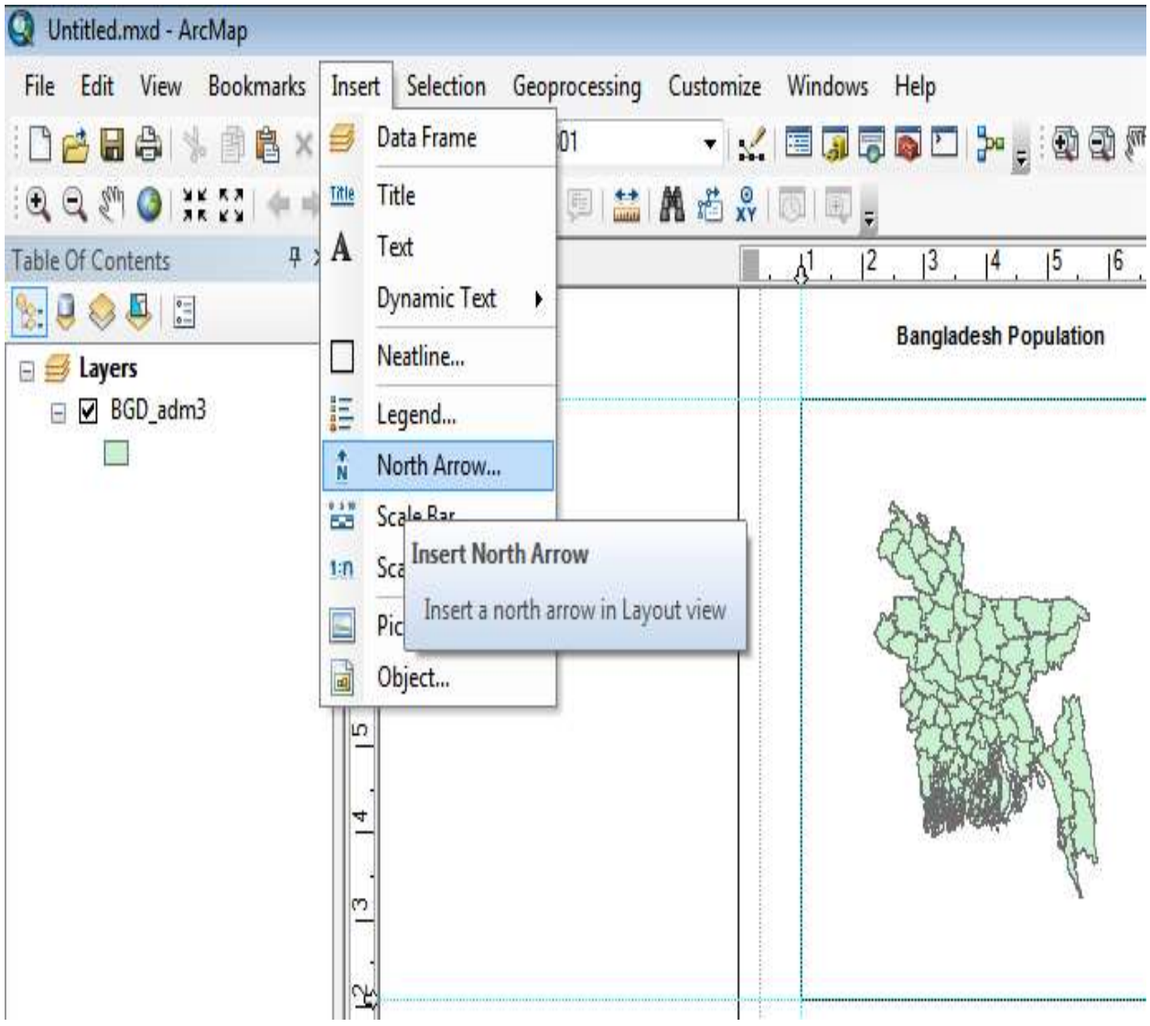
Then double click on scale bar. By this a new window will be opened in which we can change scale and units according to the requirement. After fixing these changes properly we have to press ok.

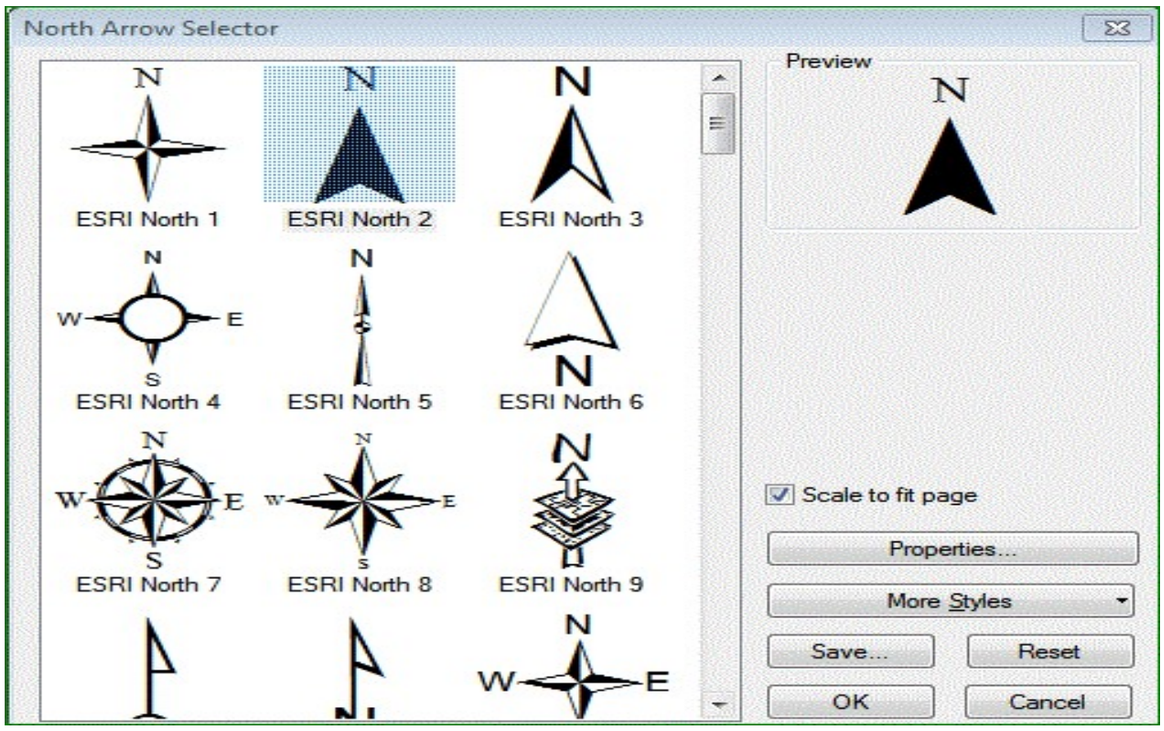


After pressing OK , a new scale bar will be added on the existing map.

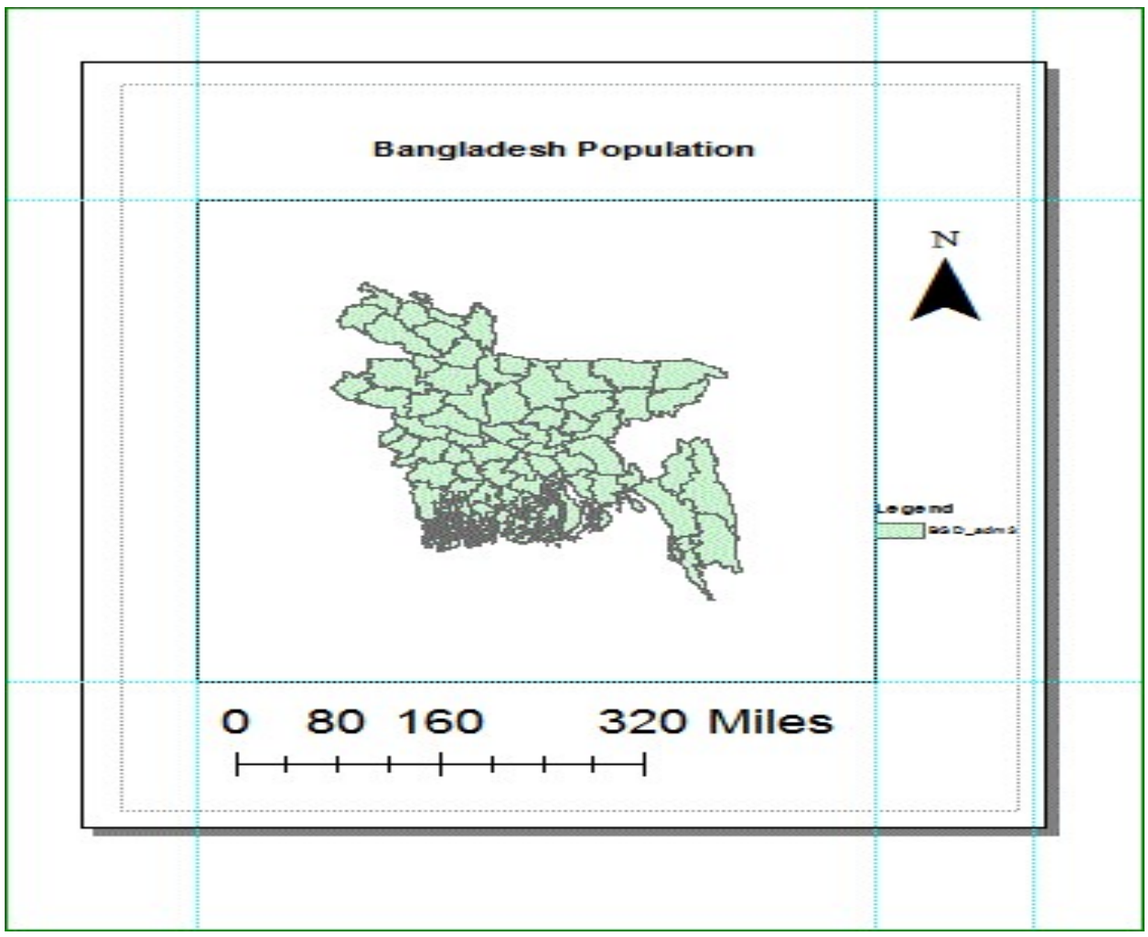
2.1.9 Insert a North Arrow

Insert→ North arrow. By this a new window box will be opened.

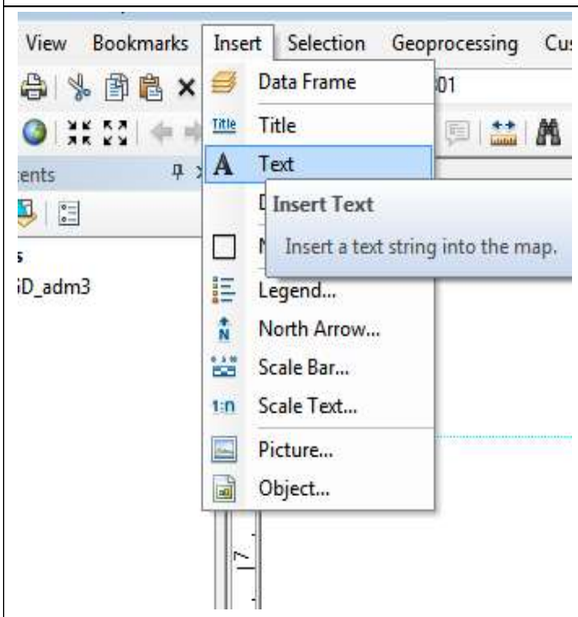
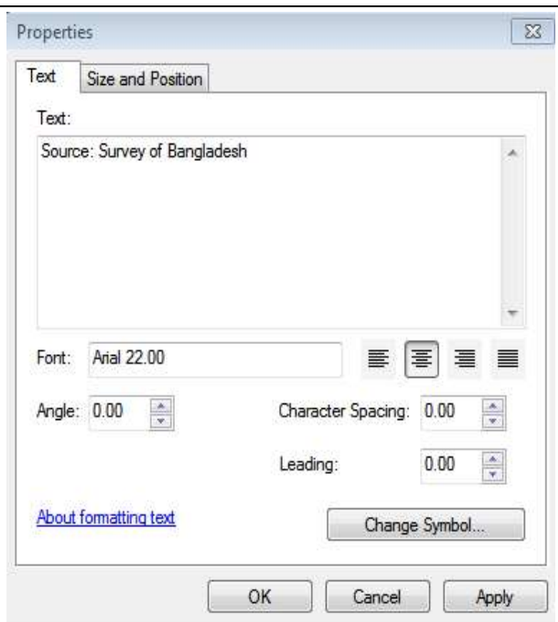


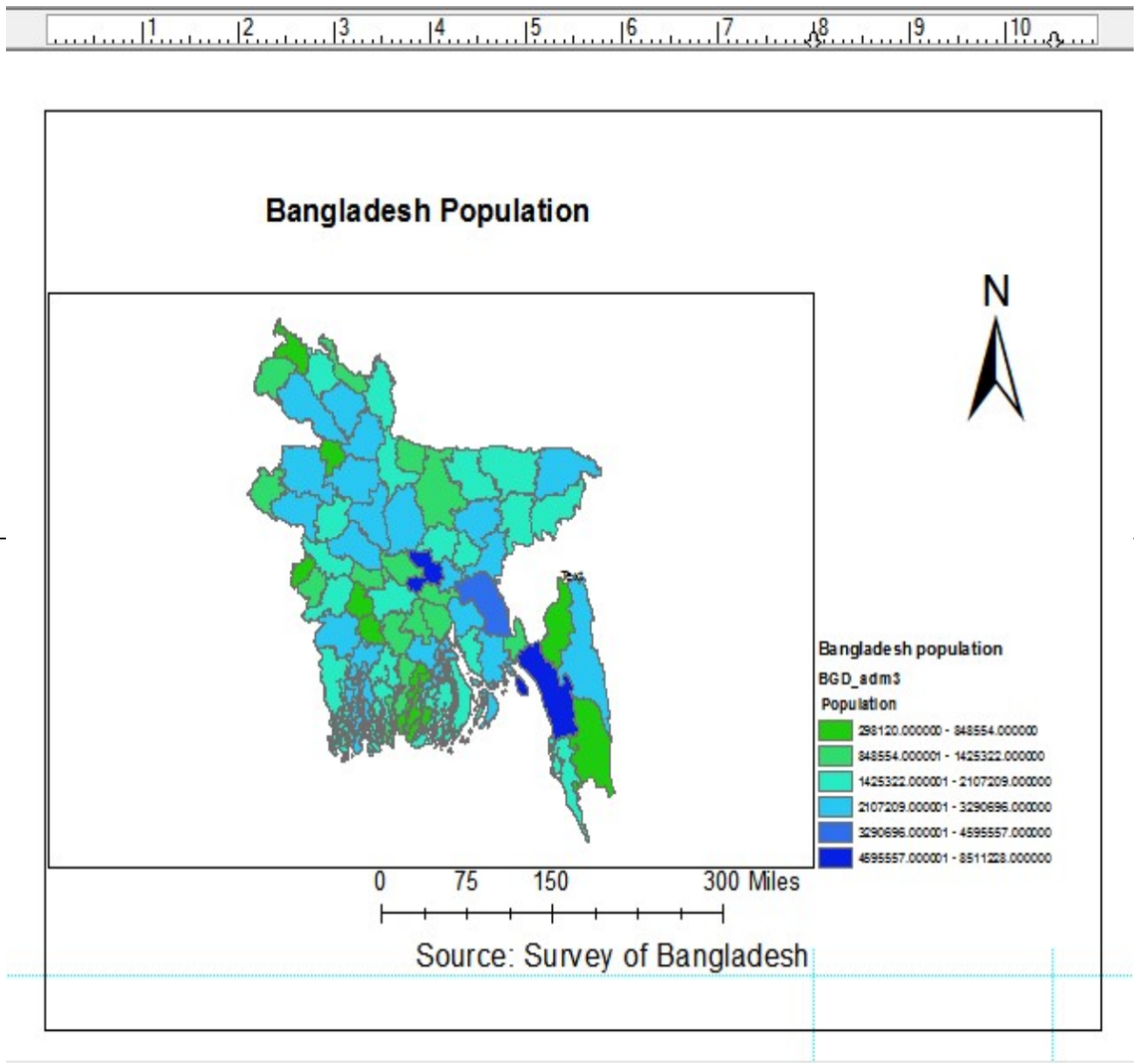


Then the map will be looked like as below



2.1.10 Insert a text

Click Insert on the main menu→Text	After the apperance of the text box ; double click on text box after which the following box will be seen.
	
Then a text box will be appeared on the screen.	In this box you have to write the text as the source of the map and you can change the font size and style of the text. Then click ok.



The final layout output of the map will be looked like the above picture.

By this, tutorial for map layout is finished here.