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 ArcMap while 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 2-3

Create Map Layout

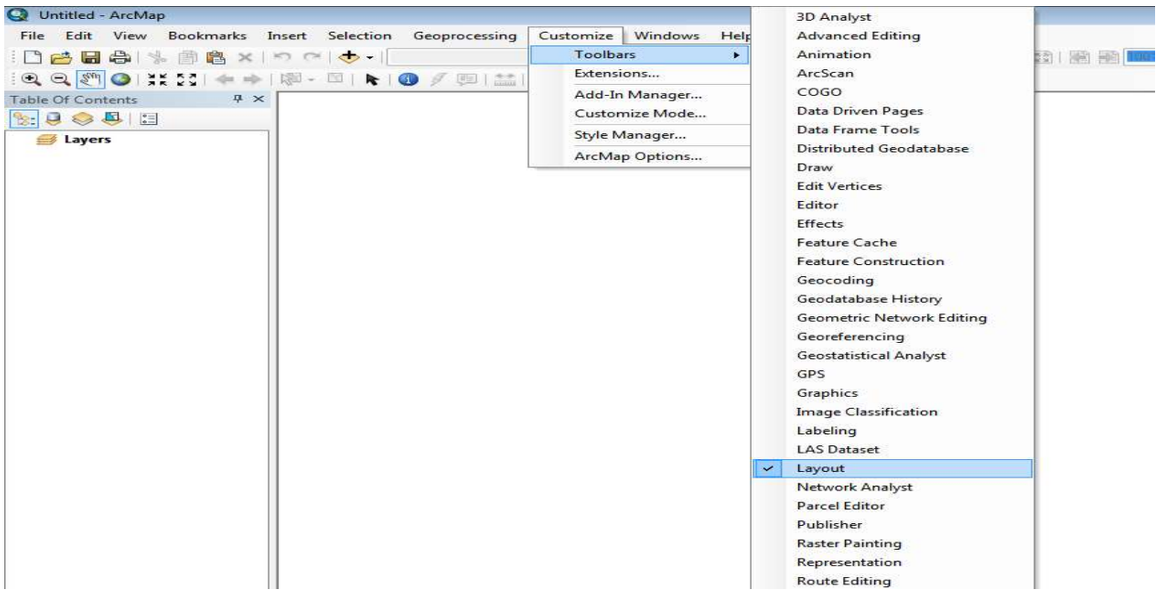
3.1.1 Use a pre-built layout template	3.1.6 Insert a title
3.1.2 Save a layer file	3.1.8 Insert a legend
3.1.3 Verify layout view options	3.1.7 Insert a scale bar
3.1.4 Setup layout page orientation and size	3.1.7 Insert a north arrow
3.1.5 Create and use guidelines in the layout view	3.1.7 Insert a text

3.1.1 Use a pre-built layout template

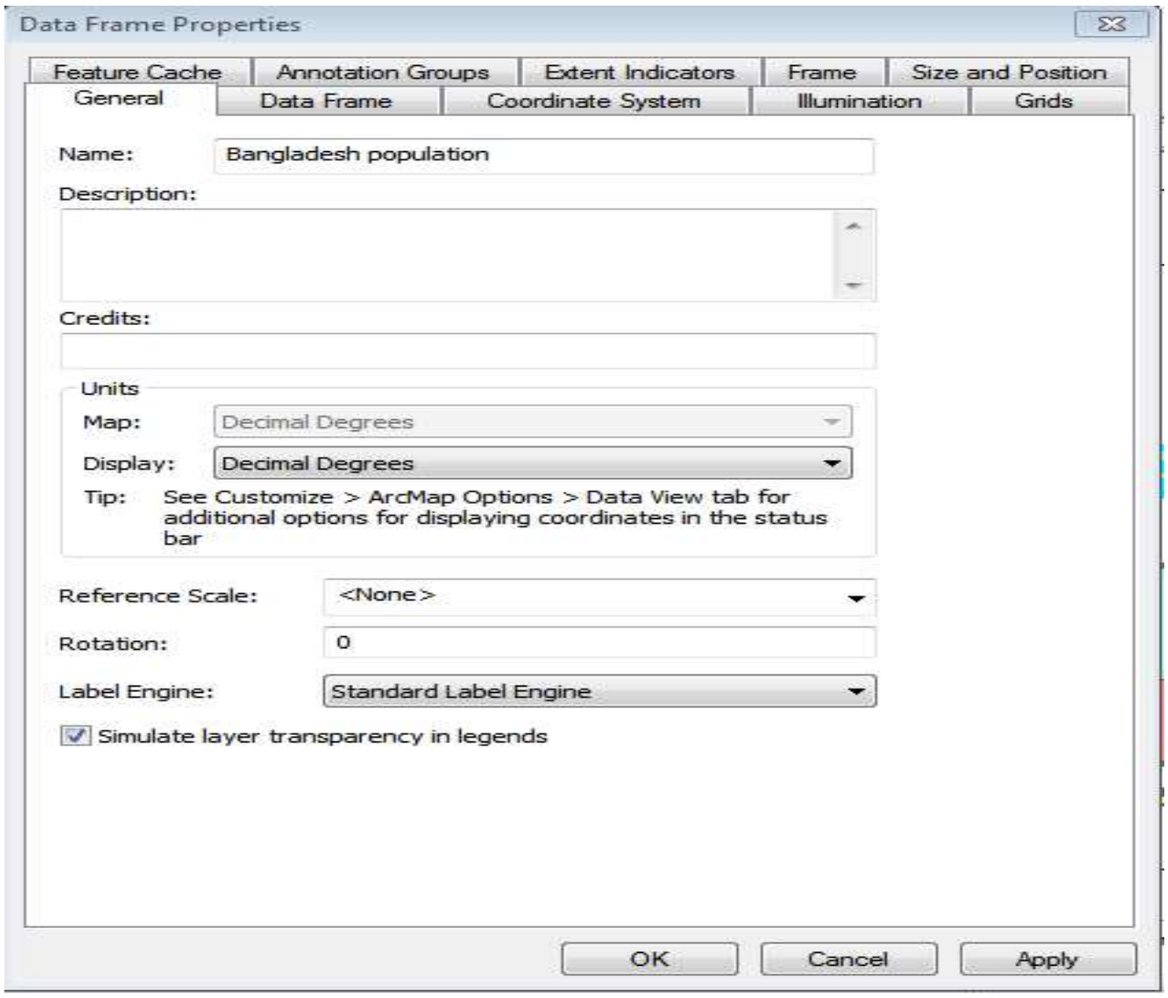
Open Arc Map 10.2

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

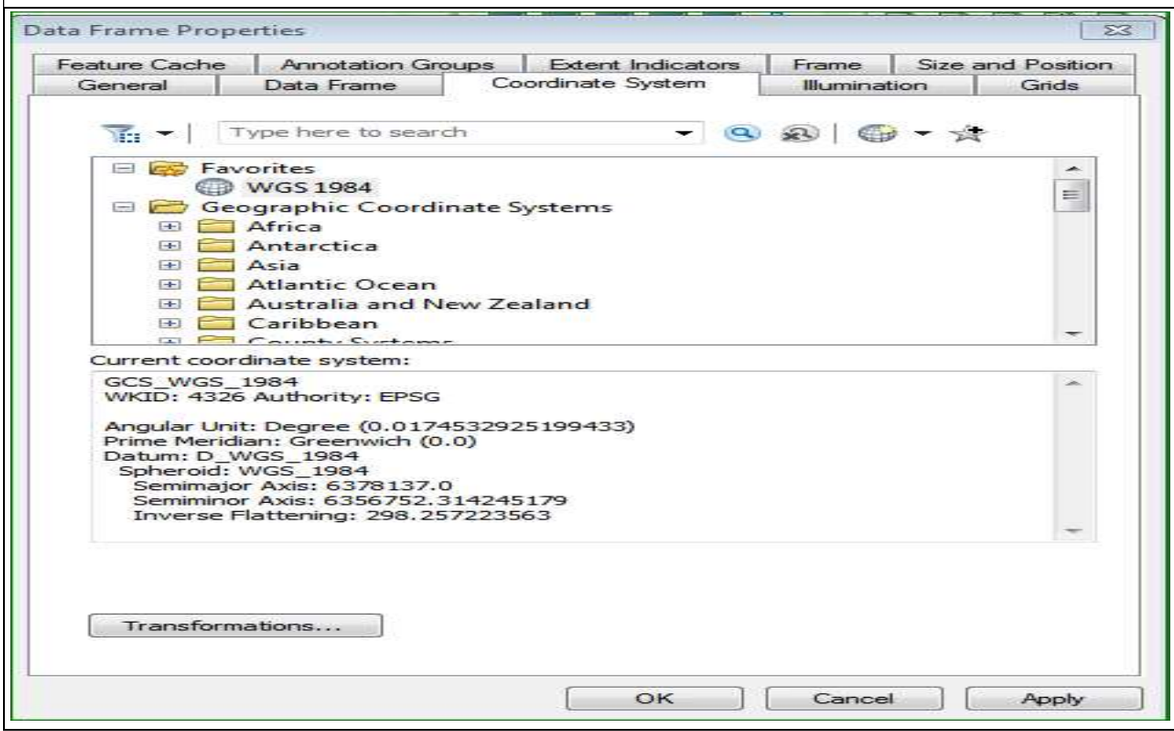
Customize →Toolbar →On Layout



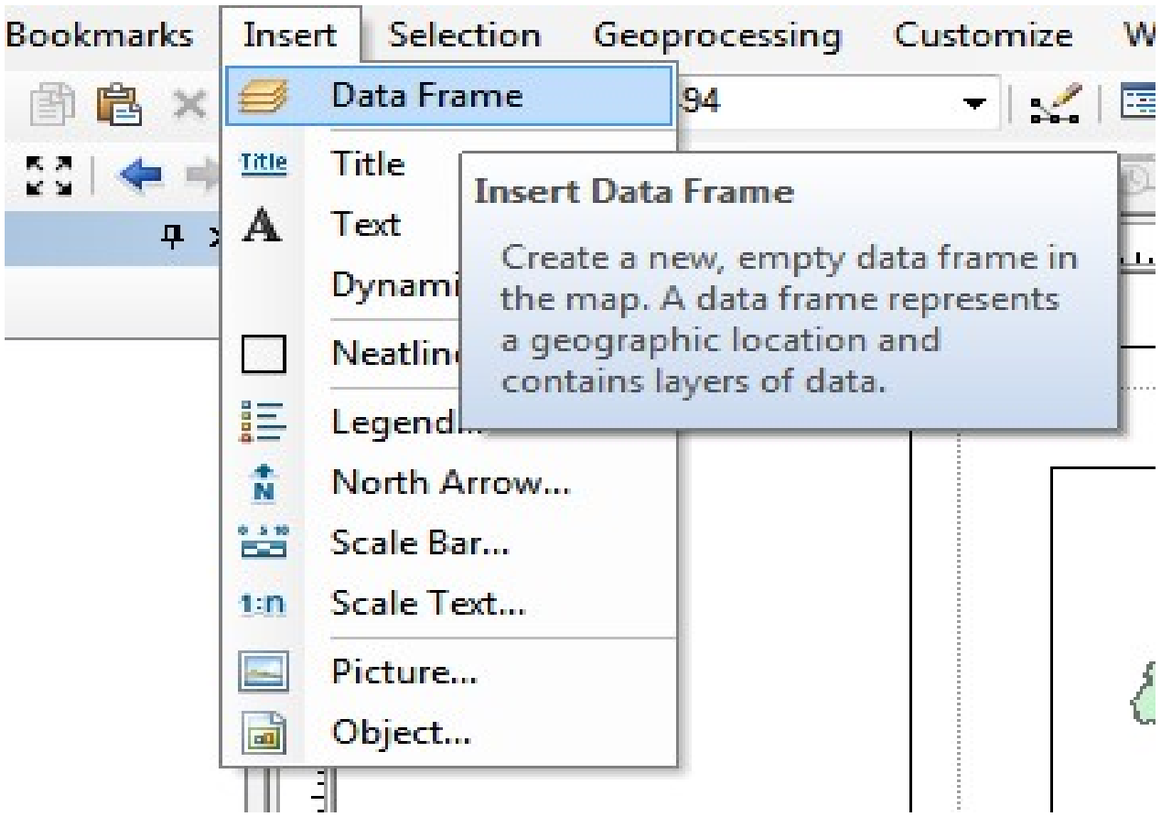
- Double click on layers by this a new window will be opened.
- Click on General Tab



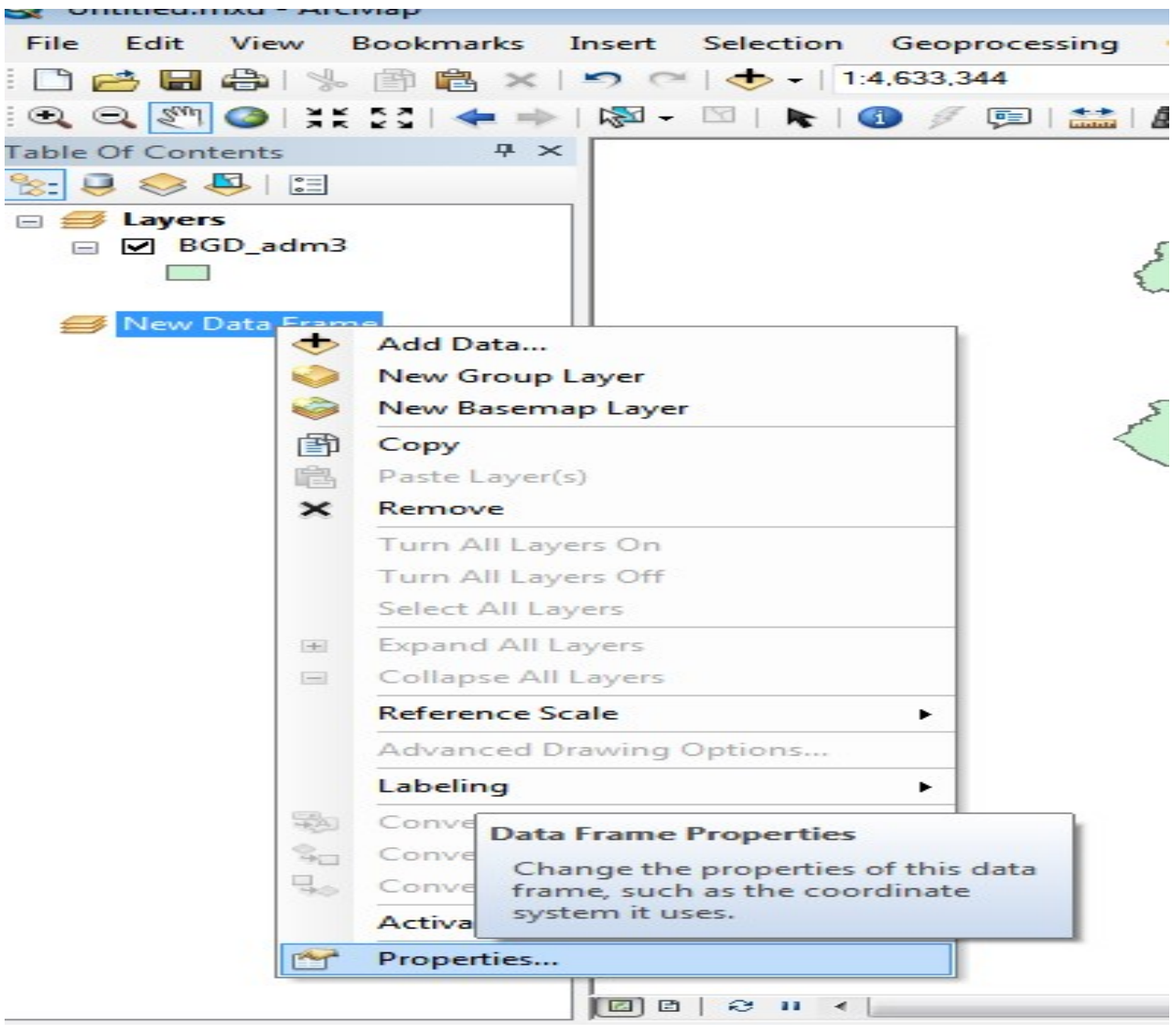
- Now click on Co-ordinate System tab→ click on add to favorites by this WGS 1984 will be selected by which we can add new data frame with this same co-ordinate system → now click ok.



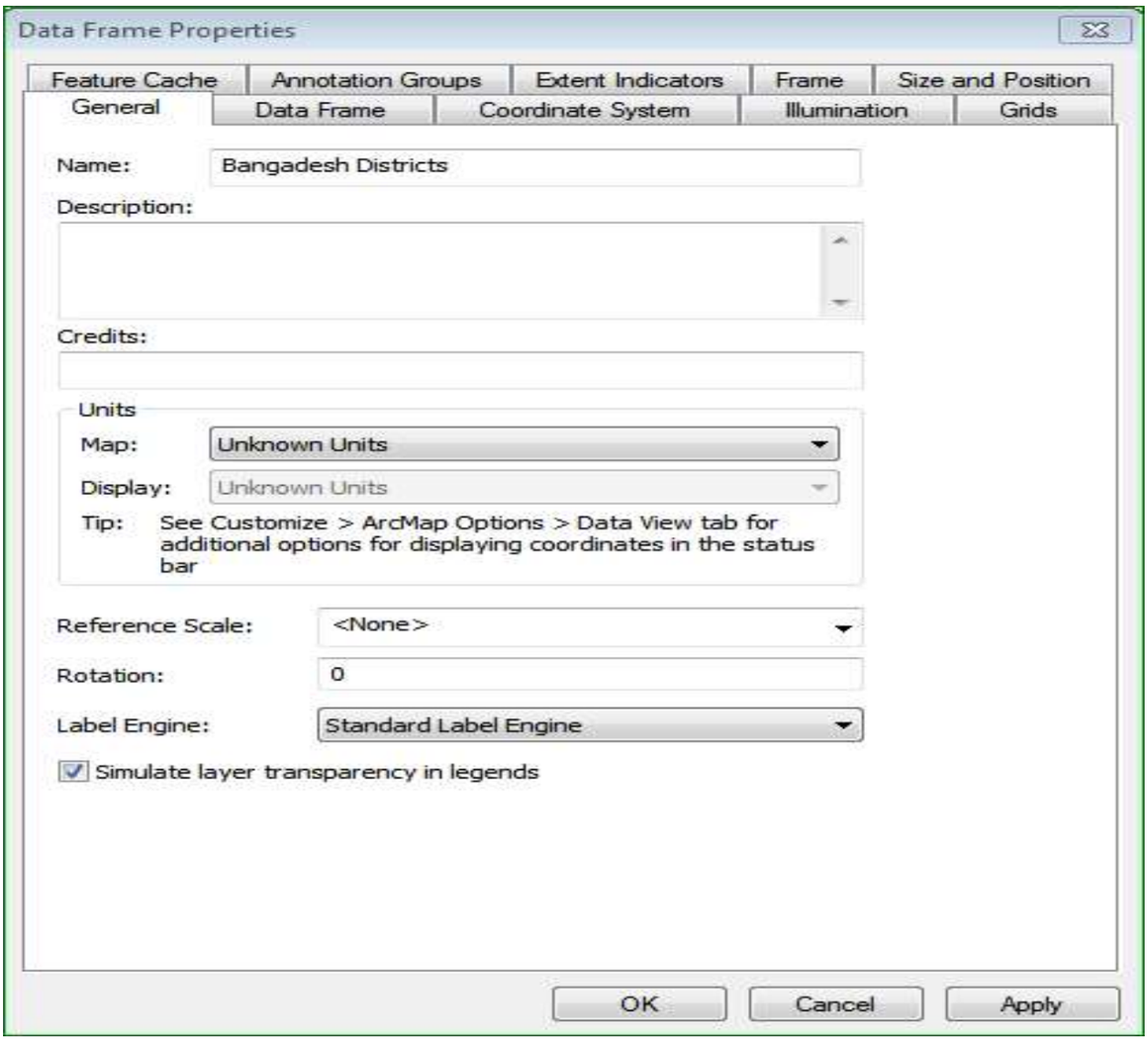
➢ Insert→ Data Frame



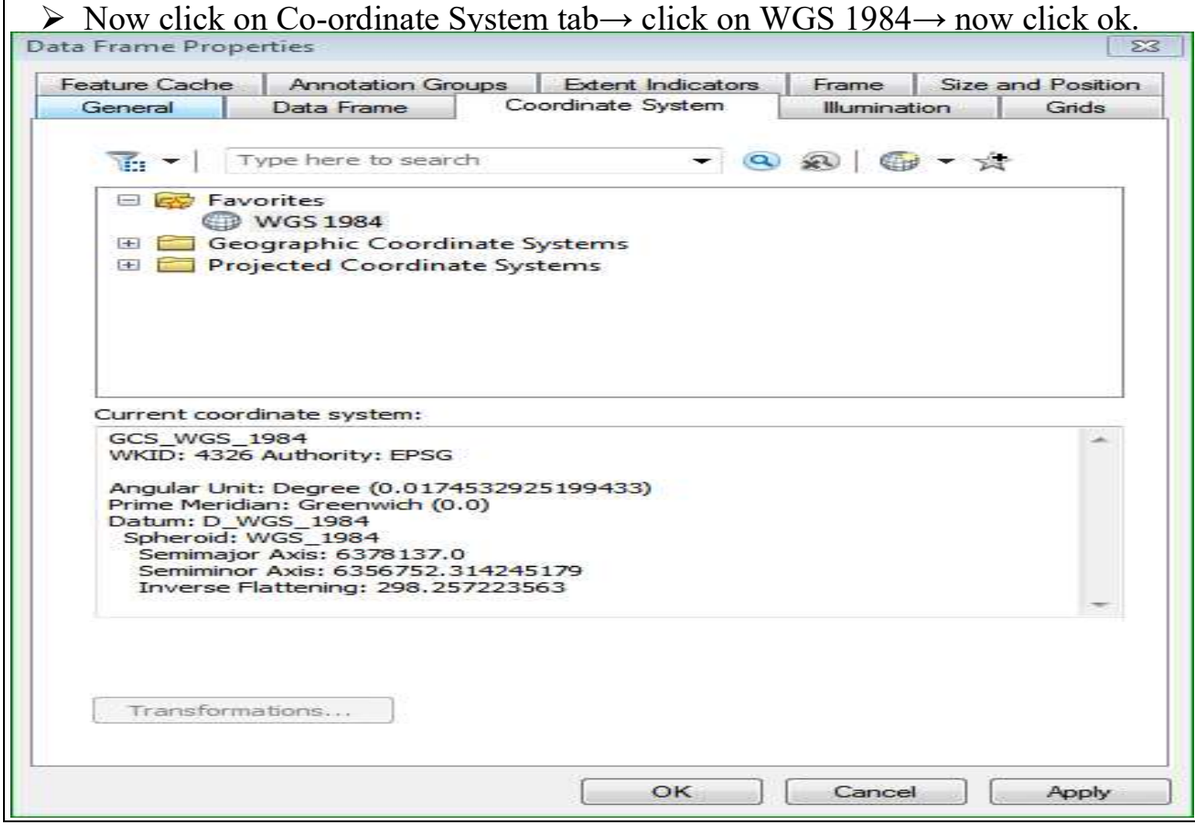
Right click on New Data Frame →Properties



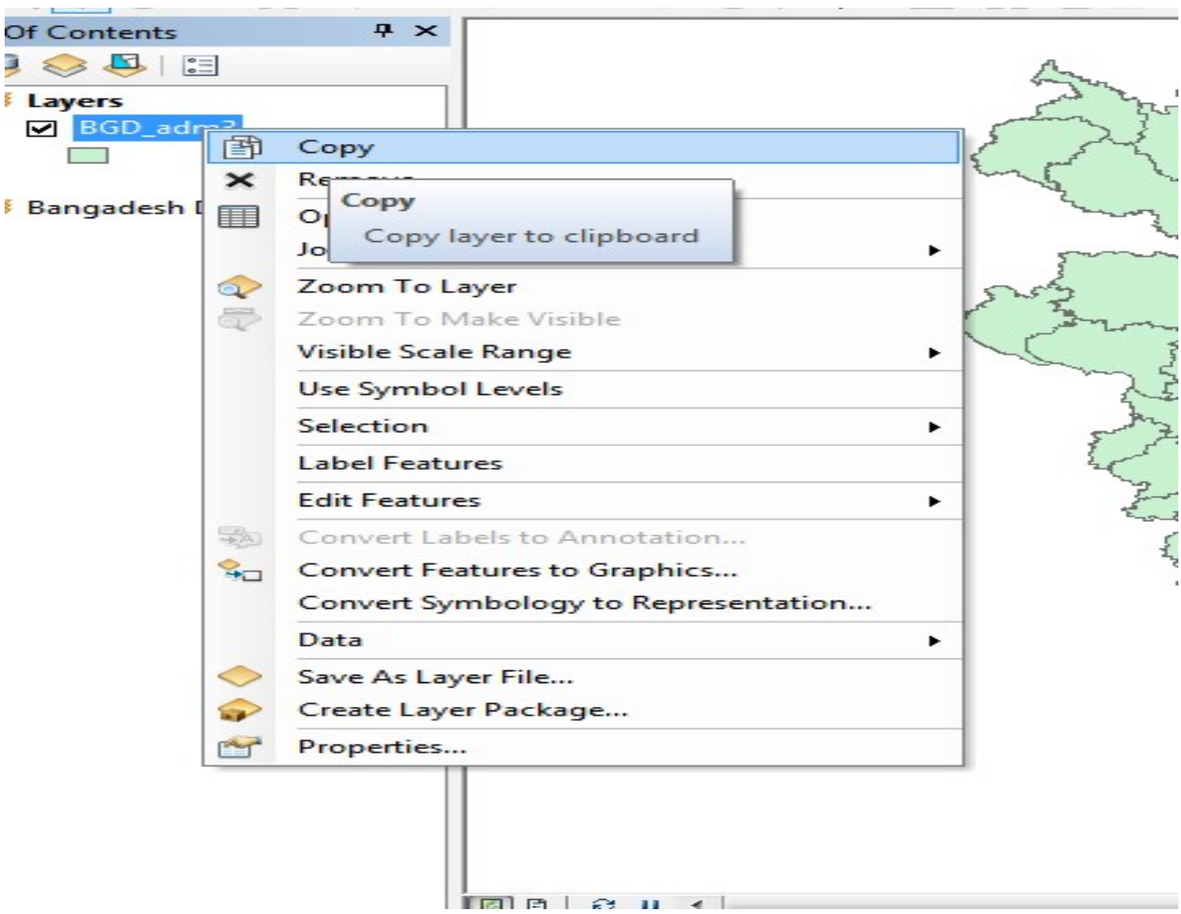
Under General Tab –Name of the Data Frame can be created .

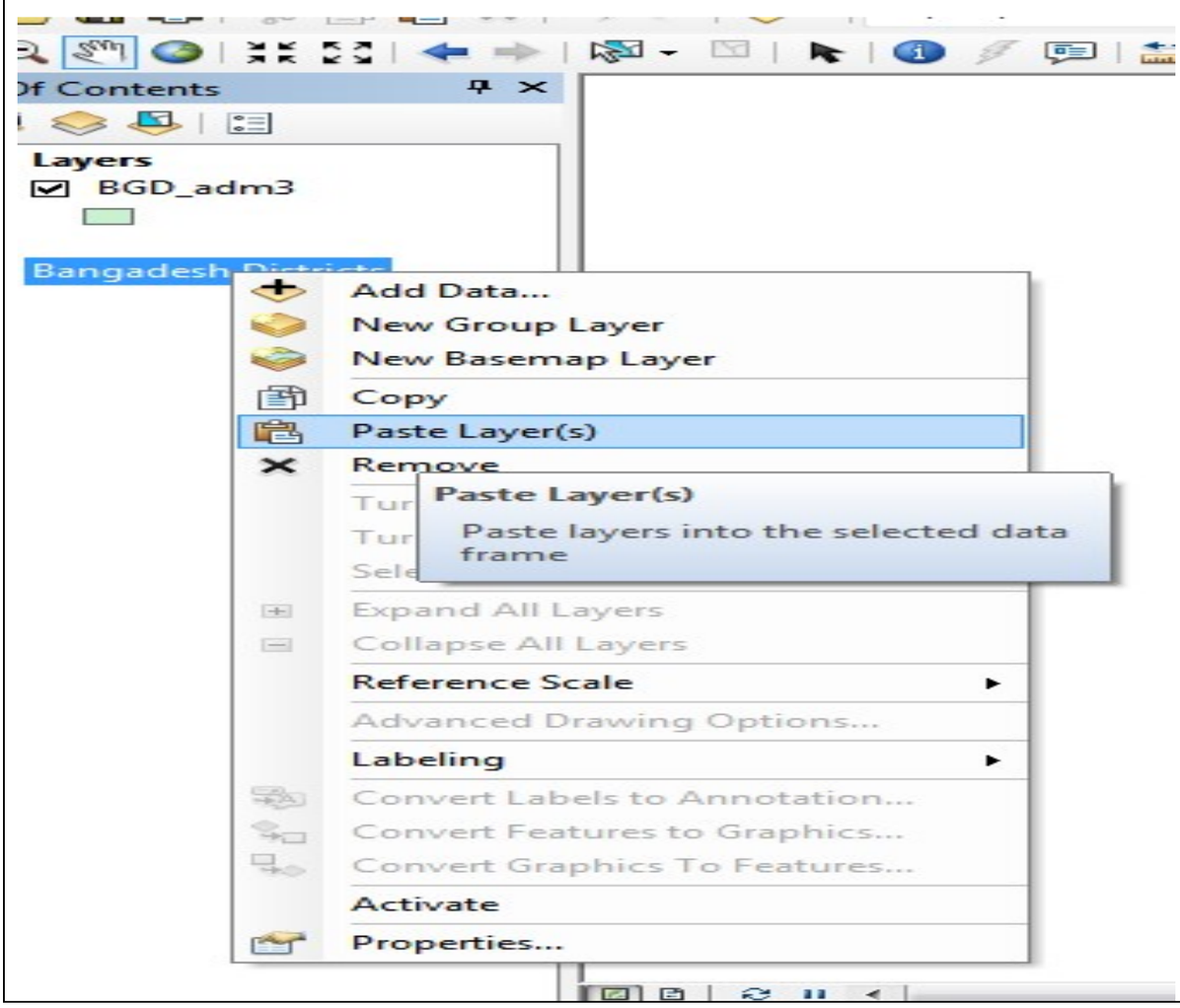


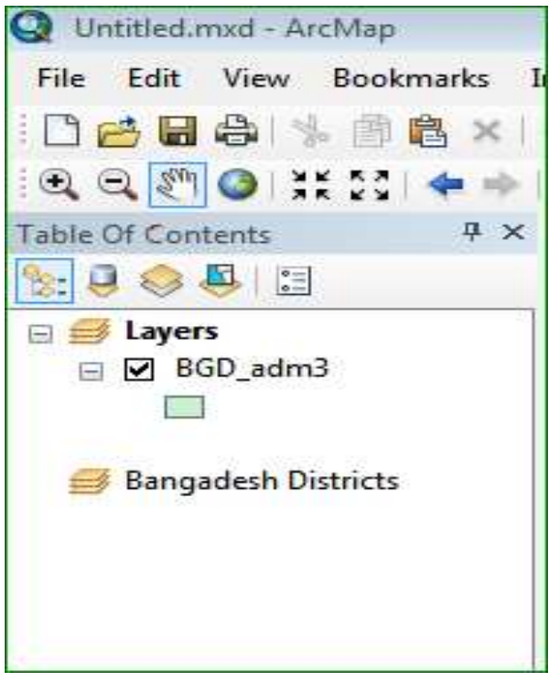
- Now click ok →by which a new data frame will be appeared on the map with a name of Bangladesh districts.
- Now click on Co-ordinate System tab→ click on WGS 1984→ now click ok.

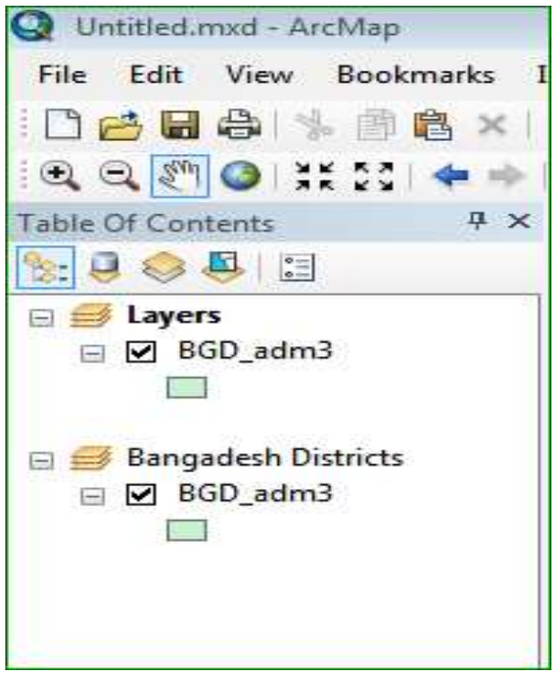


- Right click on BGD_adm3 → Copy
- Right click on Bangladesh districts →Paste layers



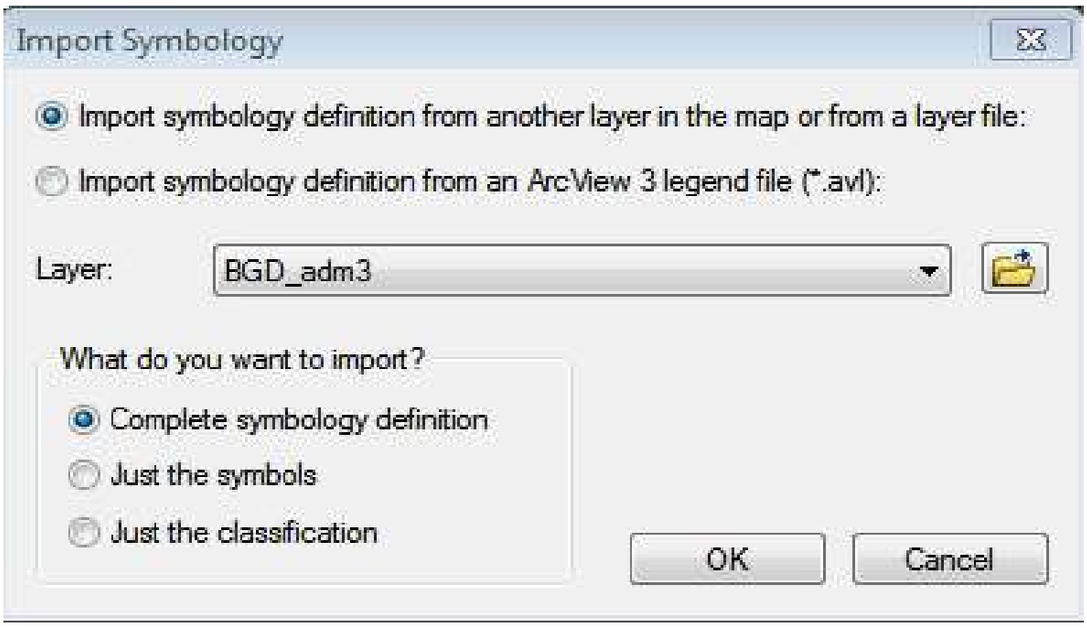




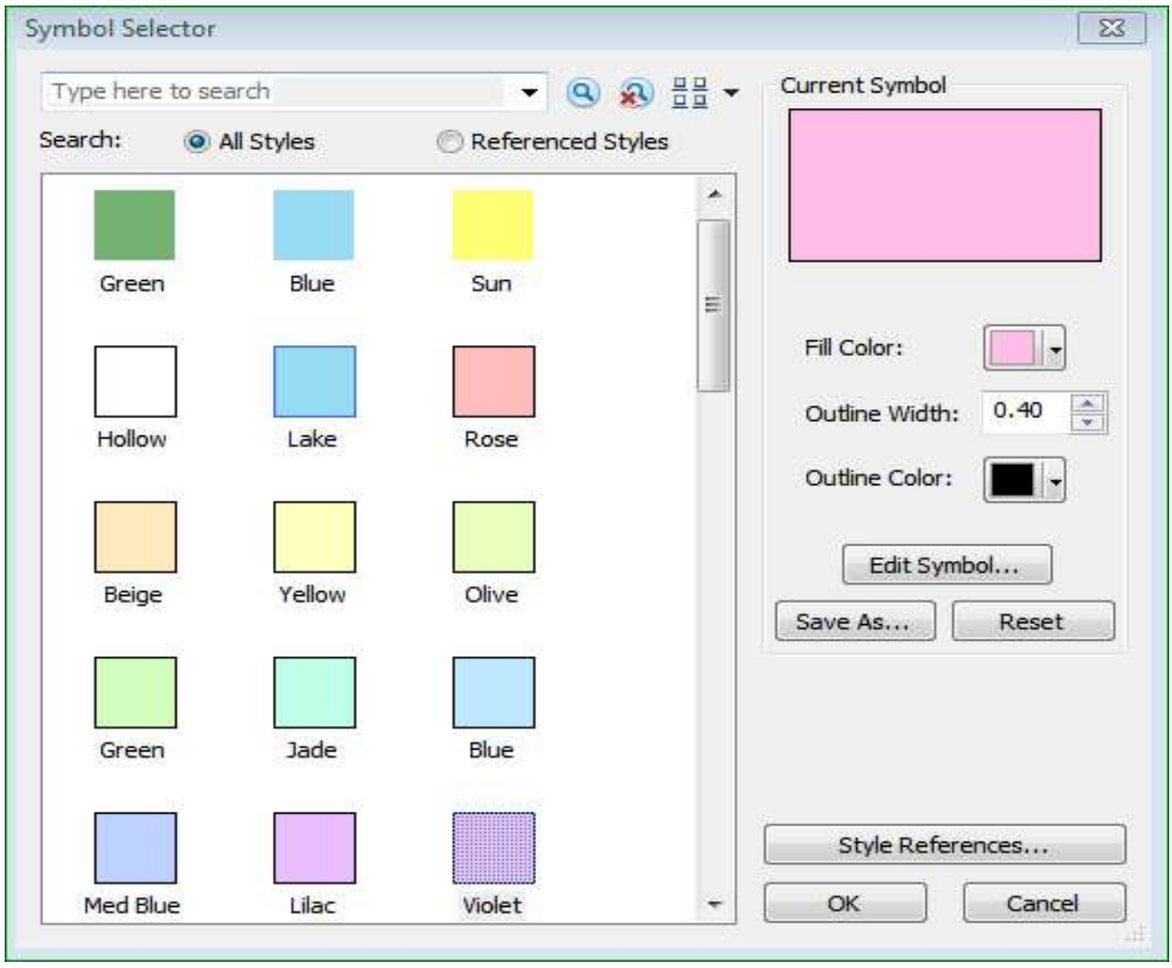


Before pasting layer **After pasting layer**

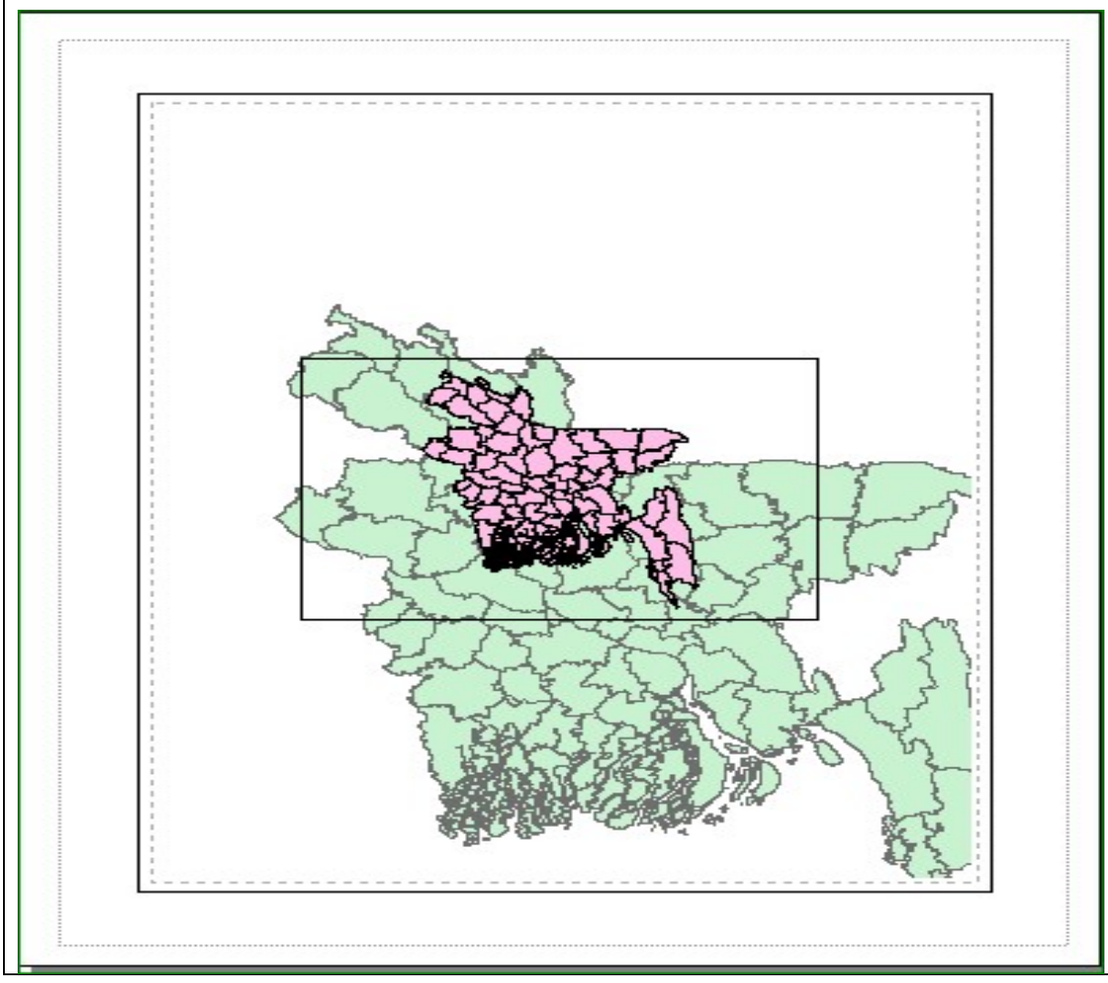
- Double click on BGD_adm3 under Bangladesh districts data frame.
- Click on symbology Tab and change the color ramp.
- Now click on Import



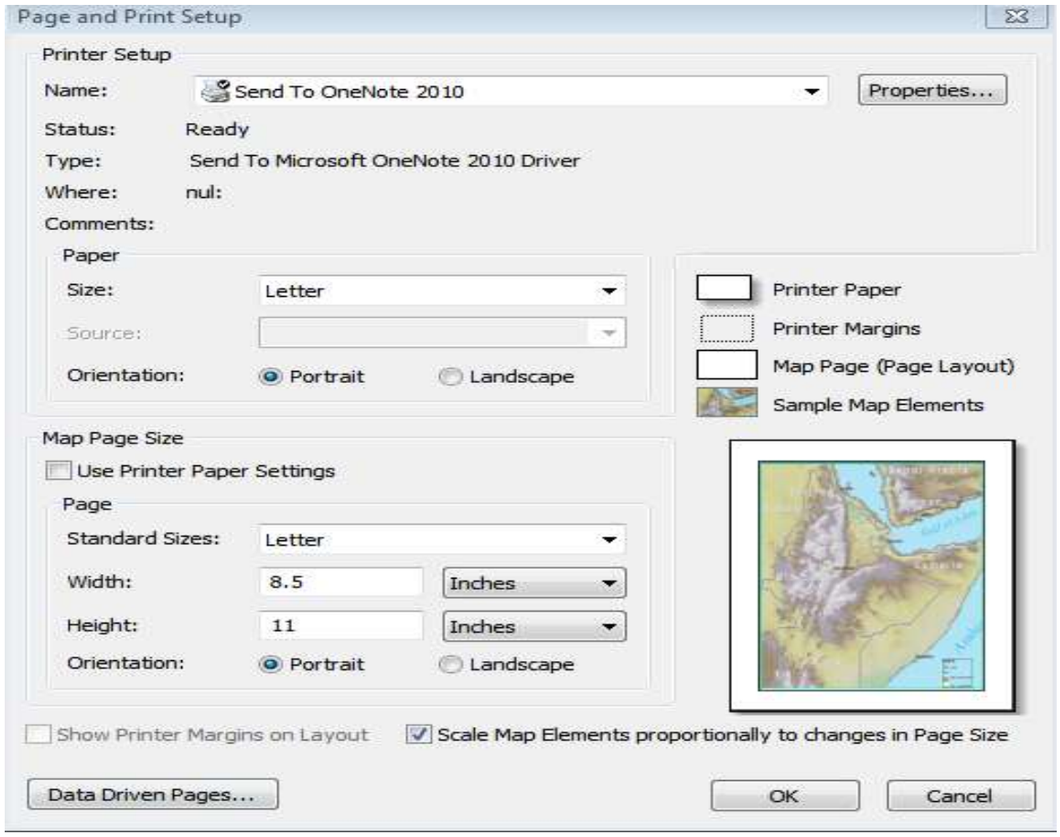
Now Click on Symbol and Change the color of the map



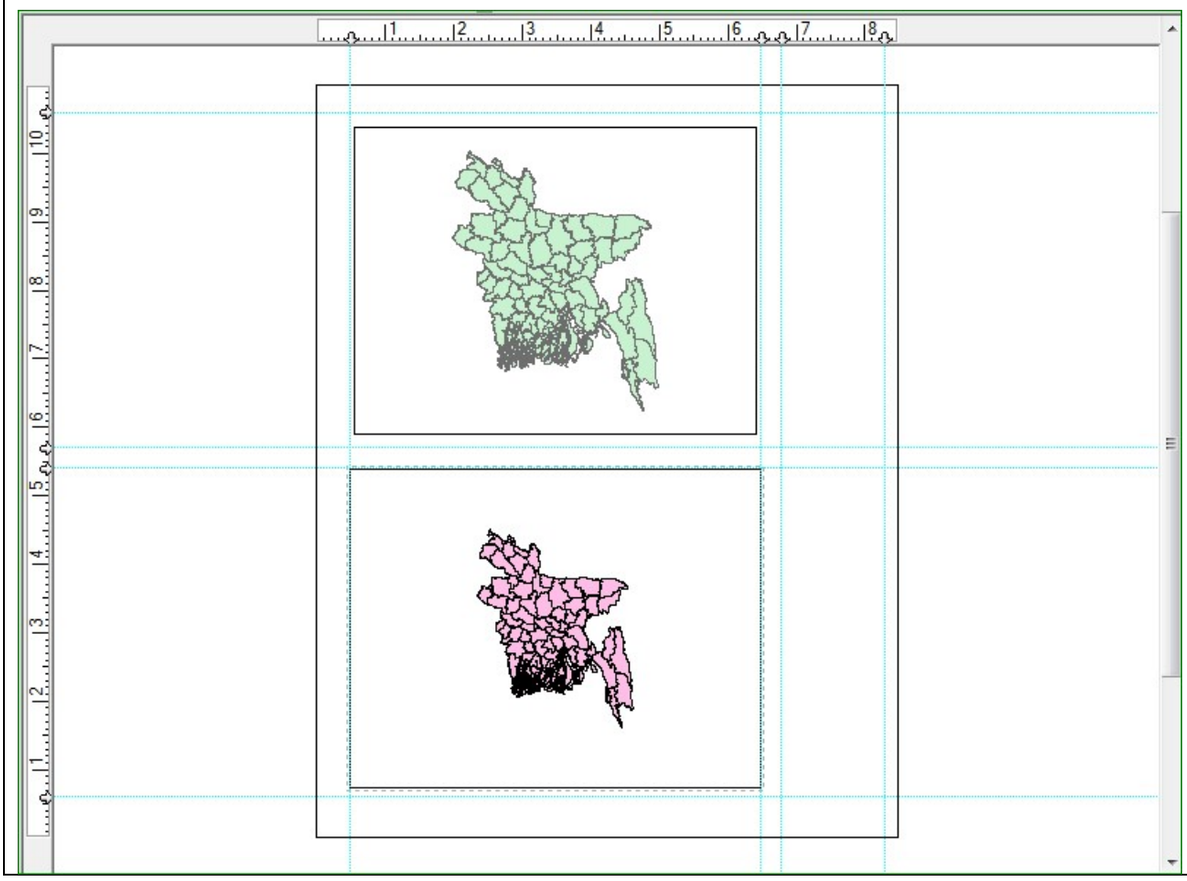
- Now we go to layout view.
- Two maps will be seen on layout view.



Right click on page outside the map border →page and print setup



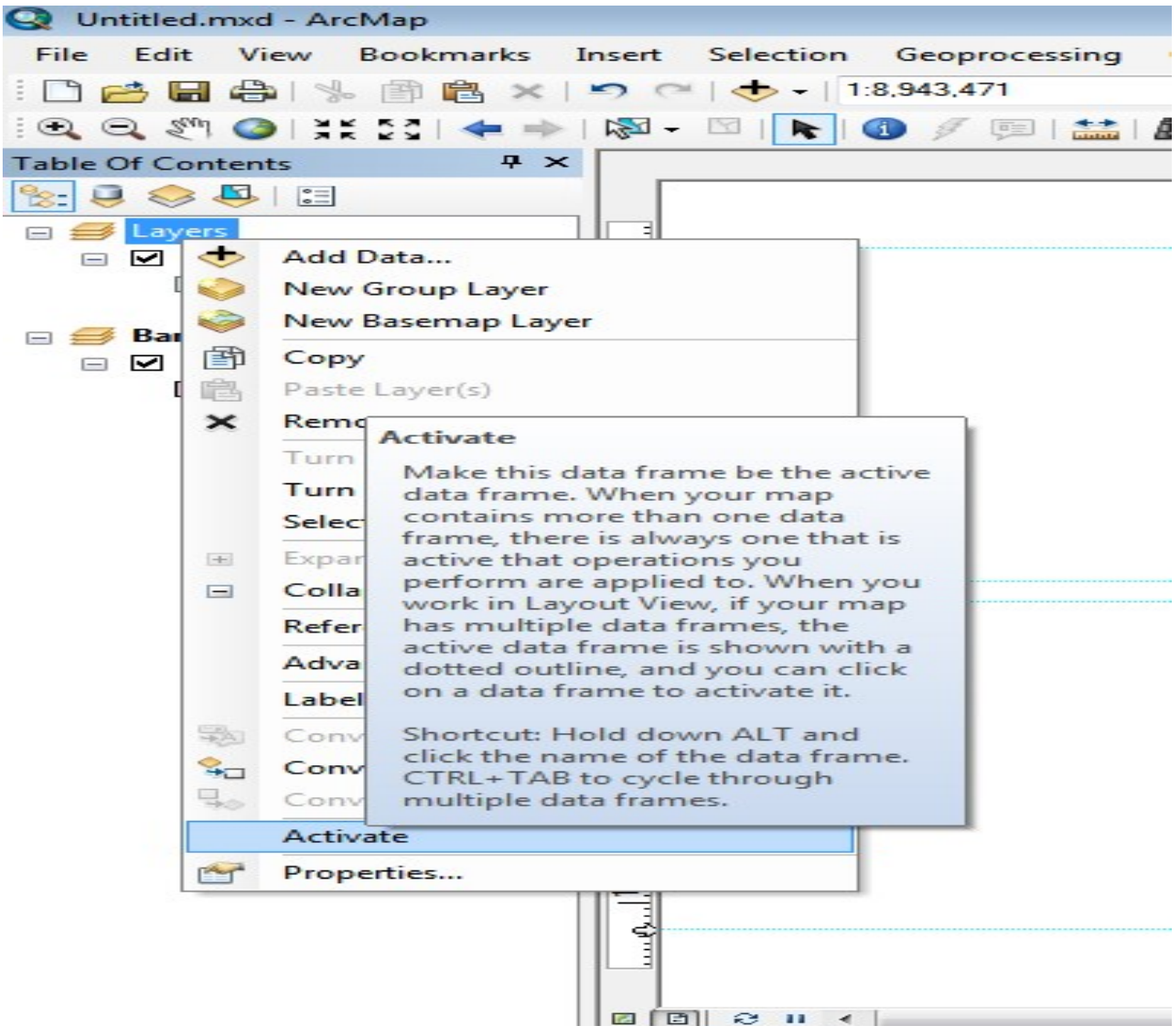
- By doing this a horizontal as well as vertical ruler will be seen on the screen of arc map.
- Now create 0.5 inch, 6.5inch, 6.8inch and 8inch vertical guideline.
- Again create 0.5 inch, 5.4inch, 5.6inch and 10.5inch horizontal guideline.
- After this click Bangladesh population map and drag it to the upper box.



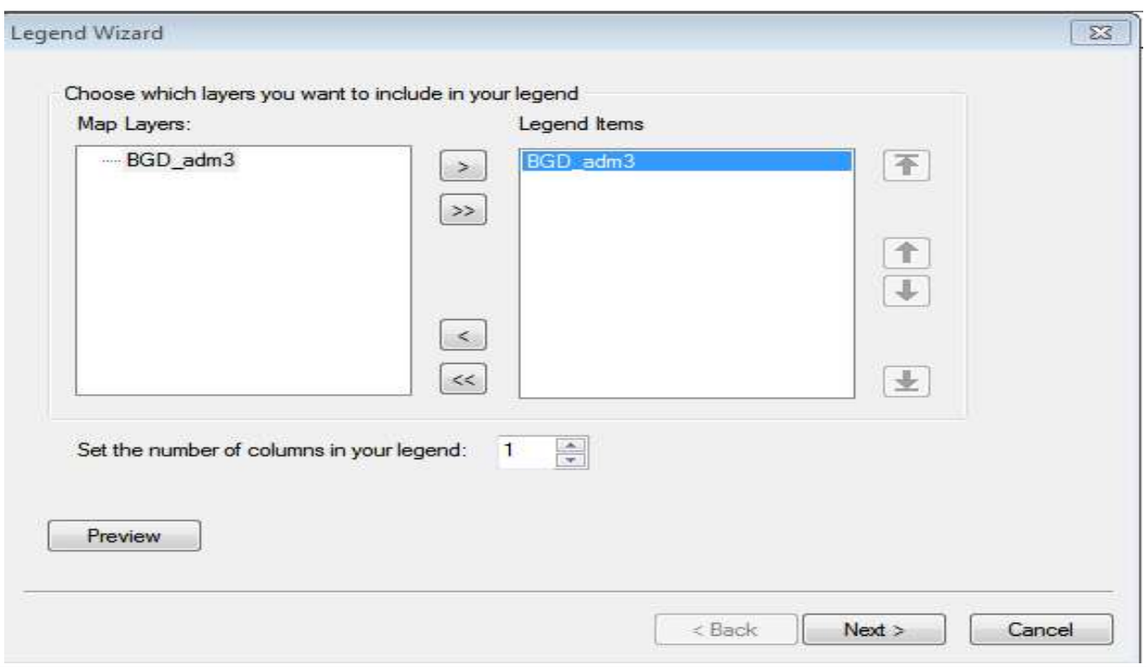
Verify Layout View Options

Now legend or scale bar for which layer file we want to add for this-

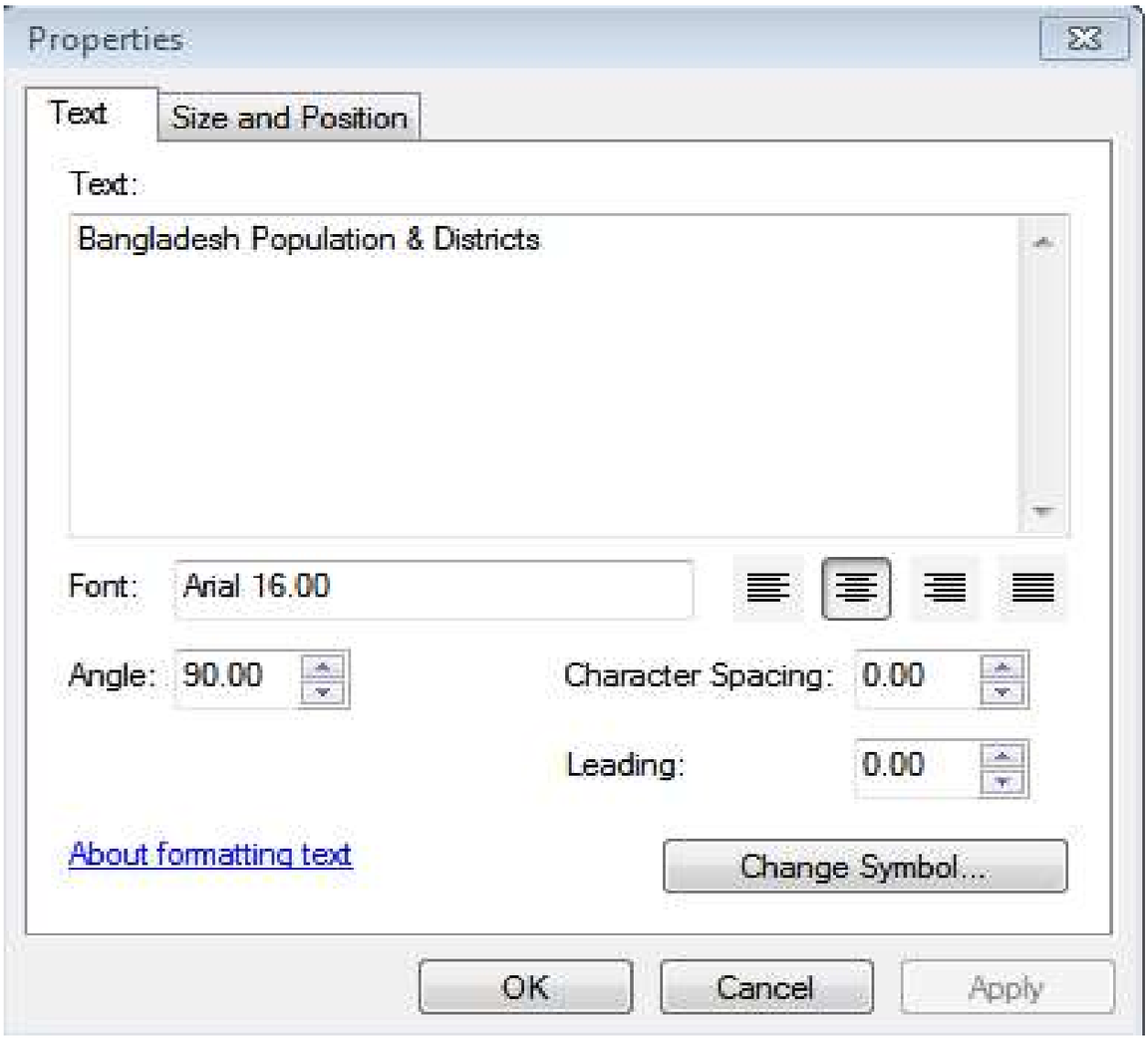
Right click on the particular layer file →Activate→ by this we can see that the name of the particular file will be shown as bolded form.



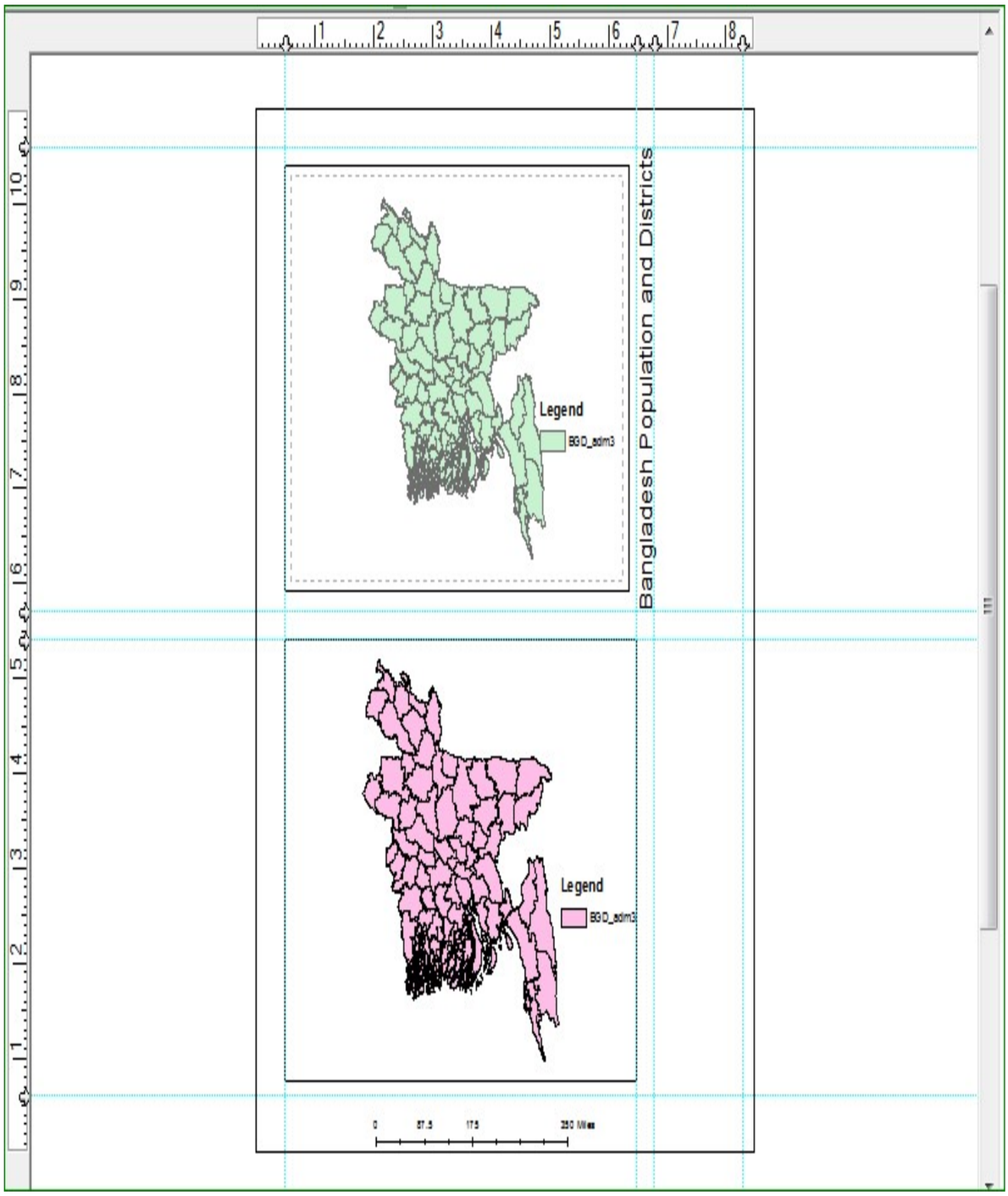
Insert →Legend



- Then click Next thrice →Finish.
- Now scale bar will be added.
- After that same procedure will be added for BGD_adm3 layer file under Bangladesh Districts.
- Insert→Text→



After preparing these multiple maps in a single screen on arc map we can see the following picture on the window of the arcmap.


Bangladesh Population and Districts
Legend
BGD_adm3
Legend
BGD_adm3
0
87.5
175
350 Miles