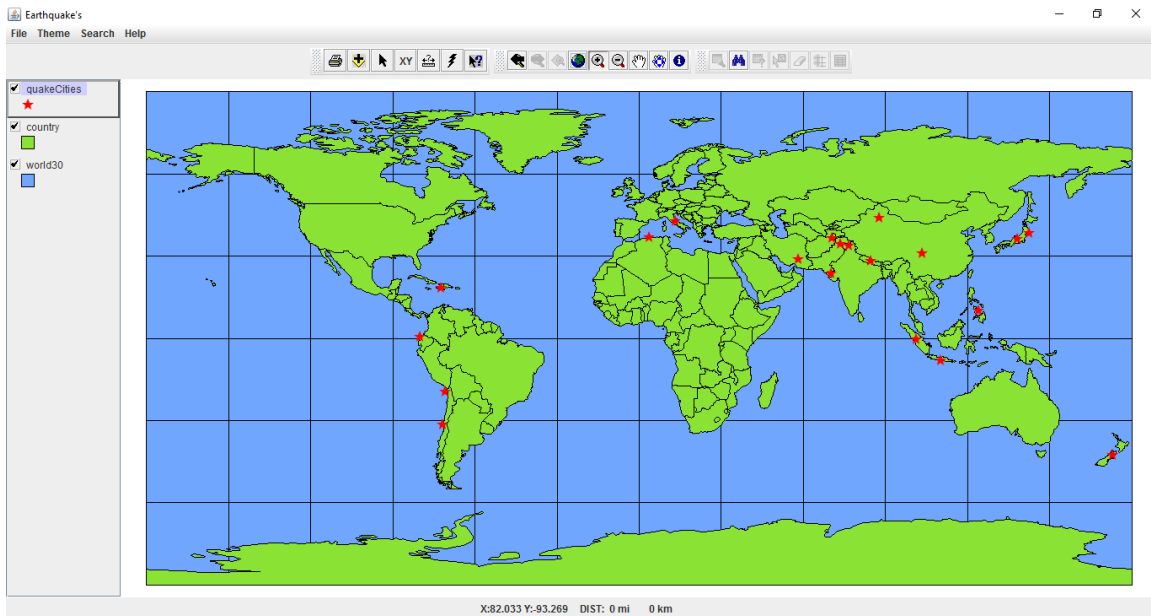


TOP 20 EARTHQUAKES OF 21ST CENTURY

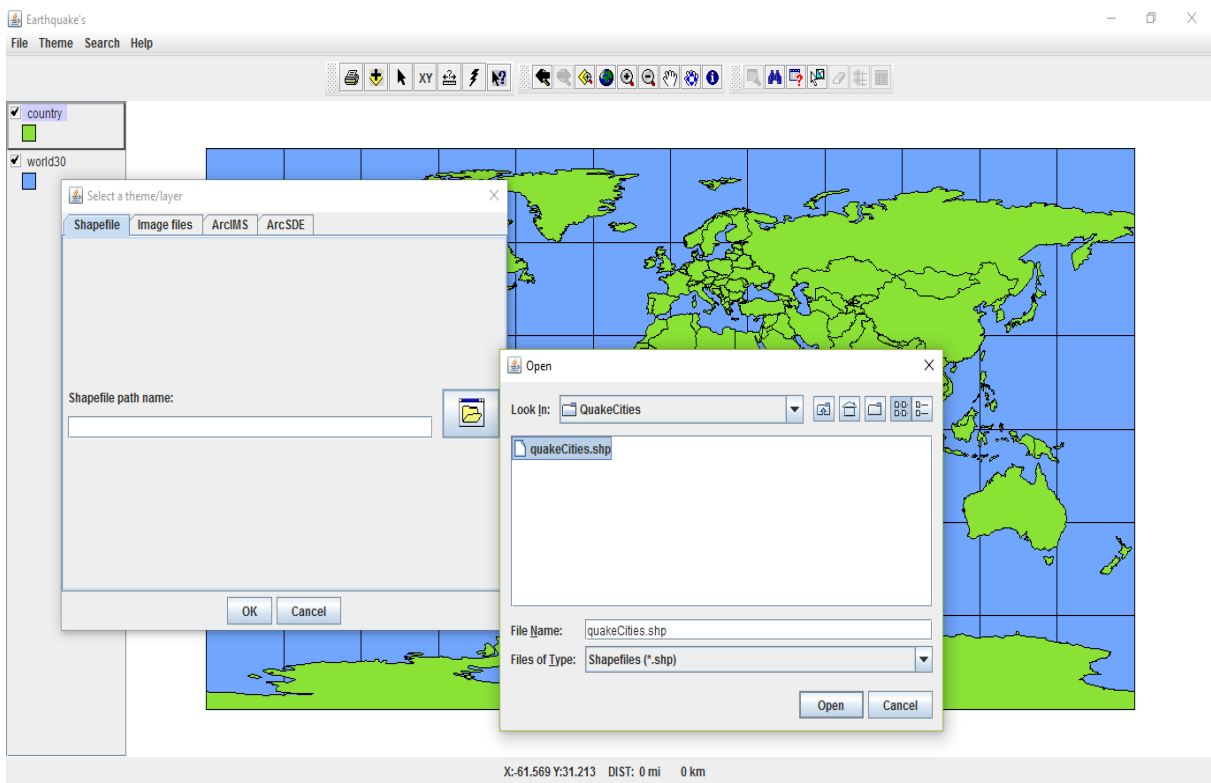
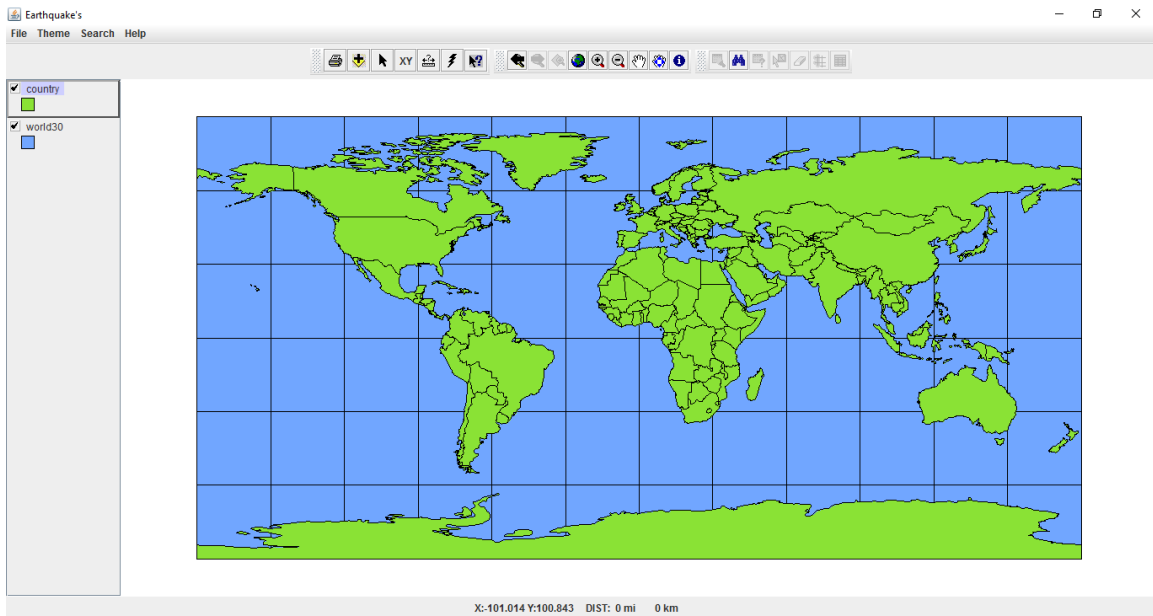
1) Initializing the earthquakes tool

- a) Double click on the earthquakes.jar file.
- b) This will open the Top 20 Earthquakes of 21st Century GIS tool GUI, it will display a world map with 20 marked points like below.

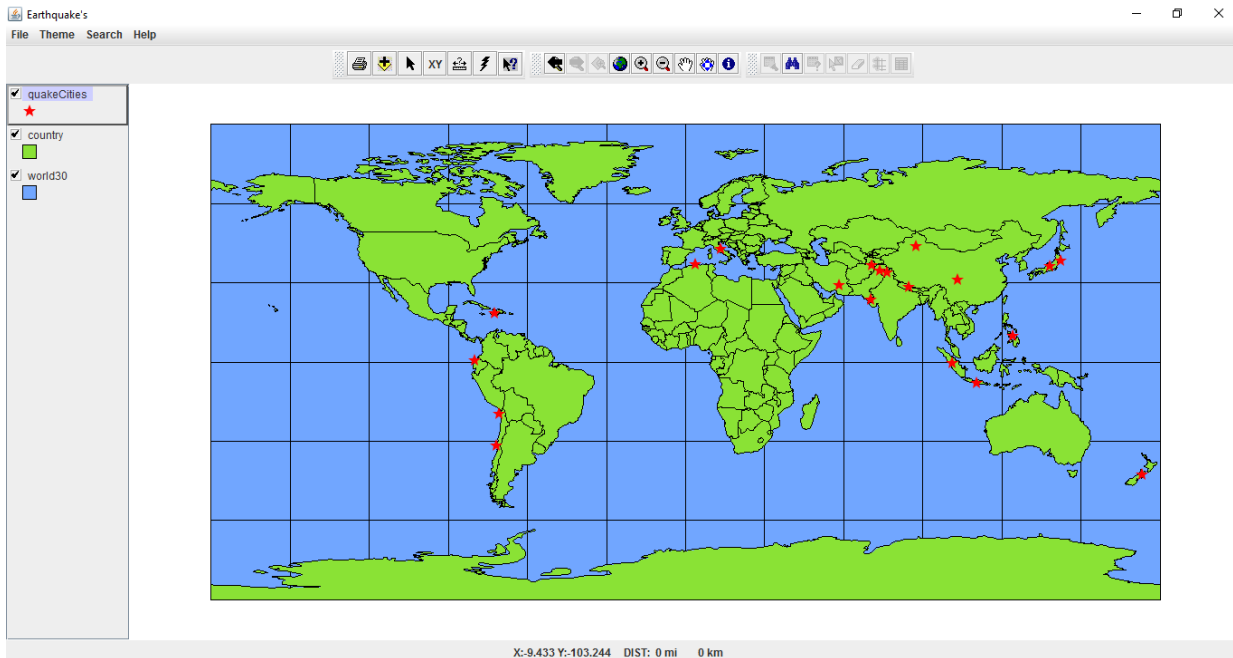


2) Adding a Layer

- a) You can add more shapefiles to this map.
- b) Click on File and then AddLayer; this will open a browser where you can add shapefiles, or image files.
- c) Navigate to the folder Shapfiles and select the shape file you want to add and click open.

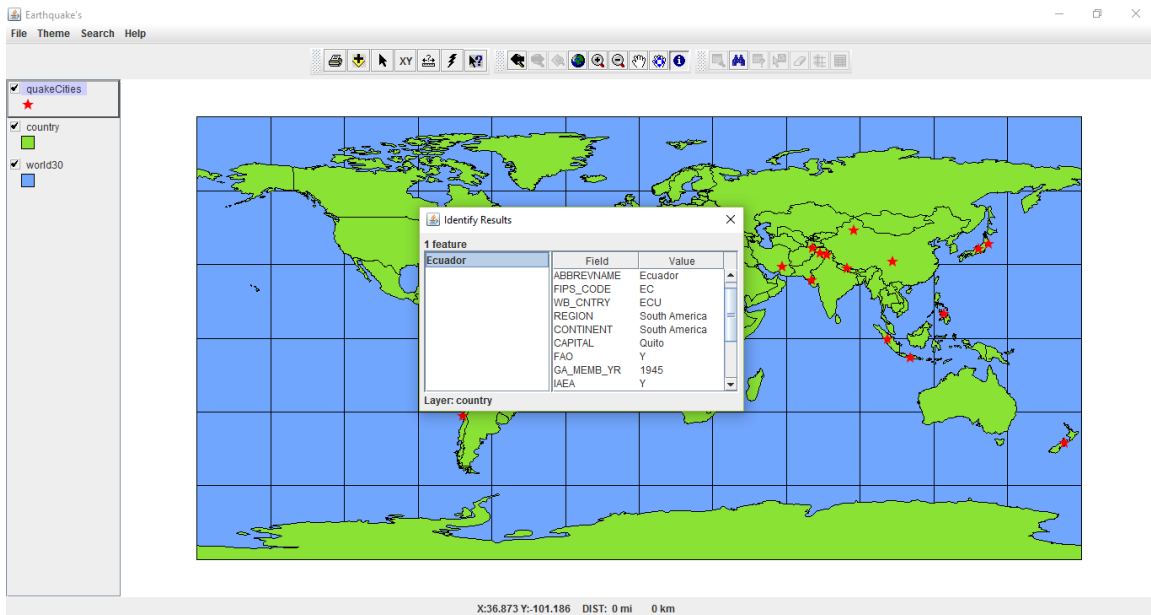


d) Earthquakes cities shapefile has been added.



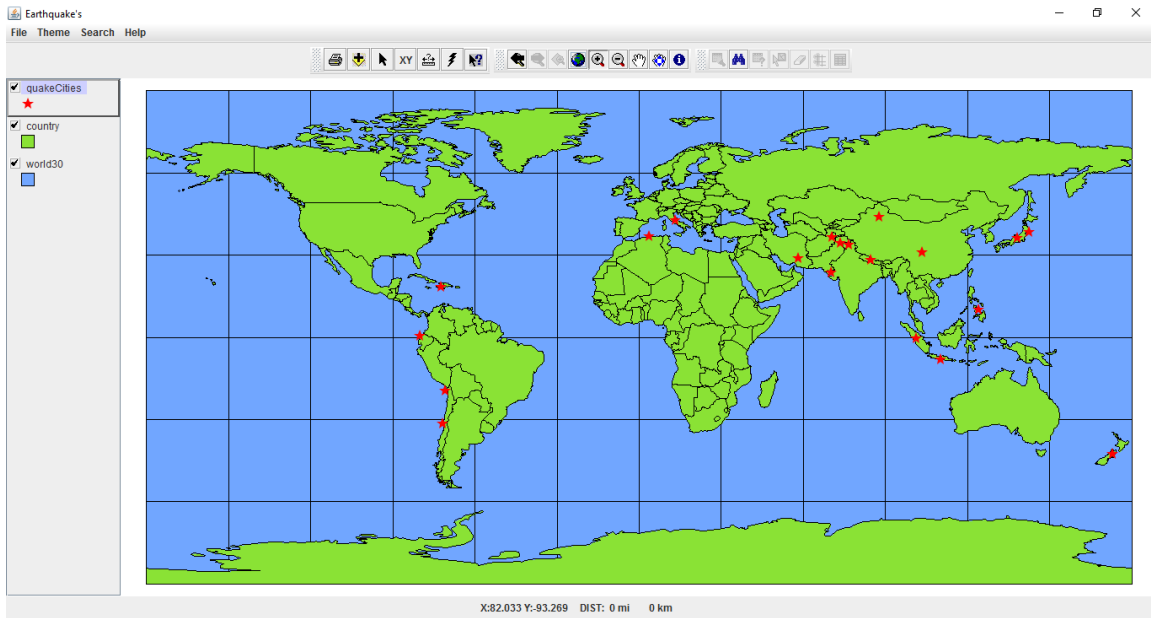
3) Identify tool

- Click on the identify icon (an 'i' in a circle) and then click anywhere on the map; this tool will show you demographic information about that place.



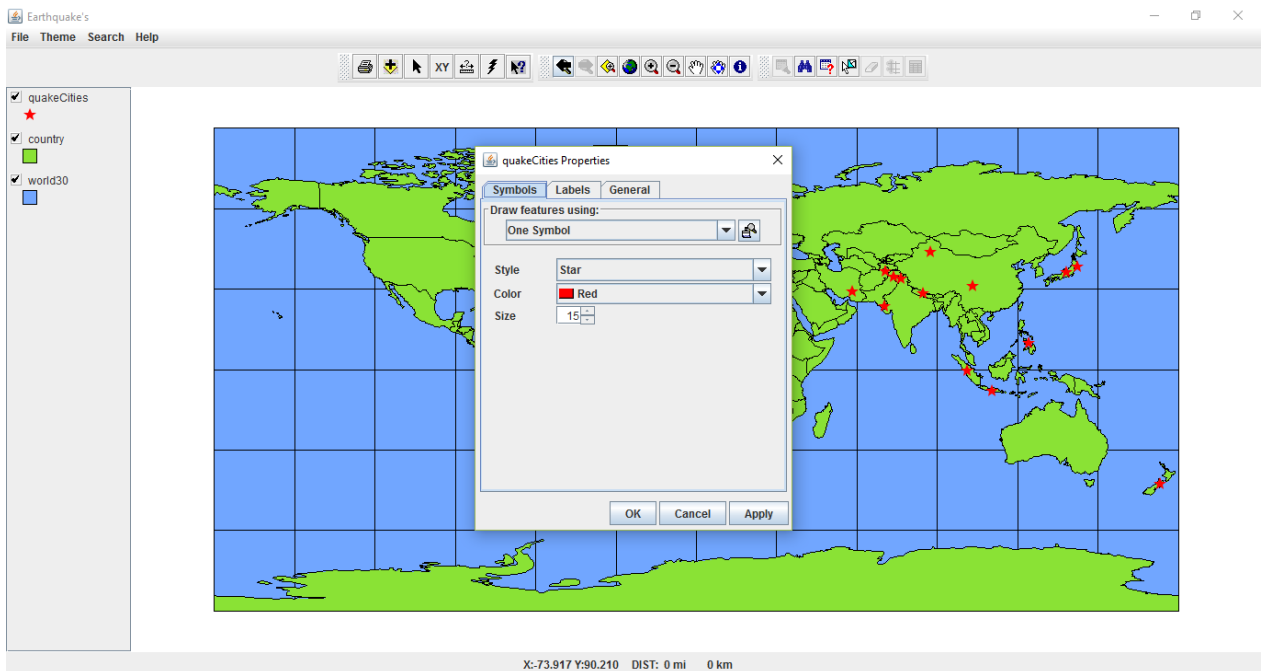
4) Zoom to full extent tool

- Click on this tool and it will zoom the map to 'full extent'. The icon looks like a globe.



5) Using the legend editor

- Select any layer in the Toc by clicking on it. Click on the File menu and then on 'Legend Editor'
- You can then change the color and other display properties of the layer. You can also add labels to the features in the layer. Play with the editor to learn about the options it gives you.

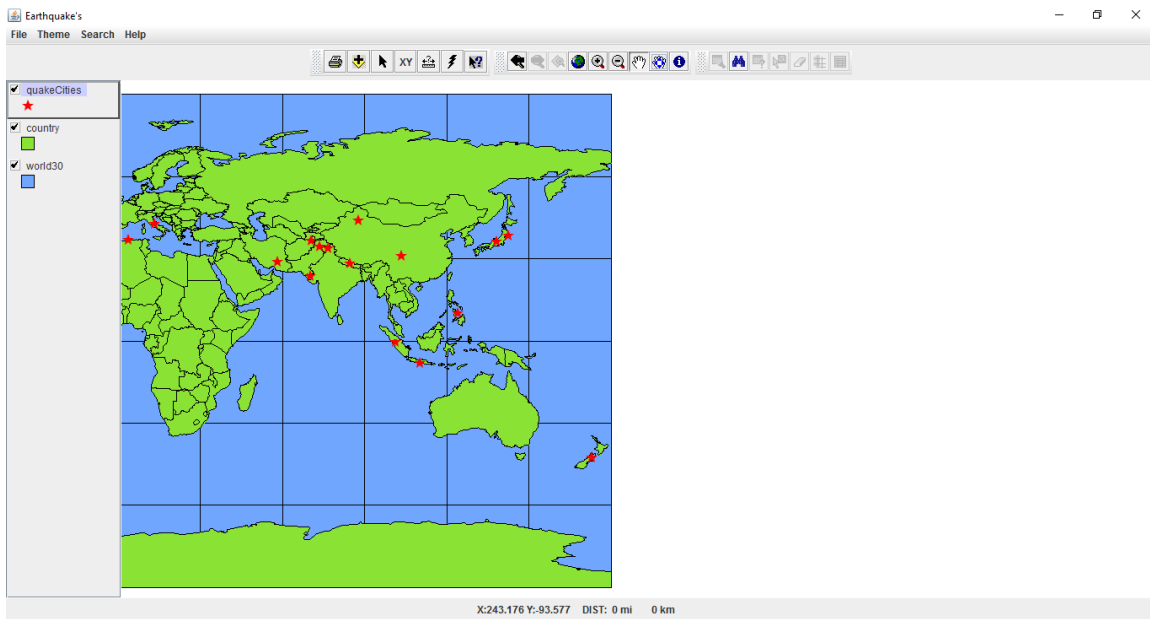


6) Pan icon

- a) Click on the pan tool (the icon looks like a hand) and you can move the map to the left, right, up or down, using the Pan tool, by pressing the left mouse button, and dragging the mouse.

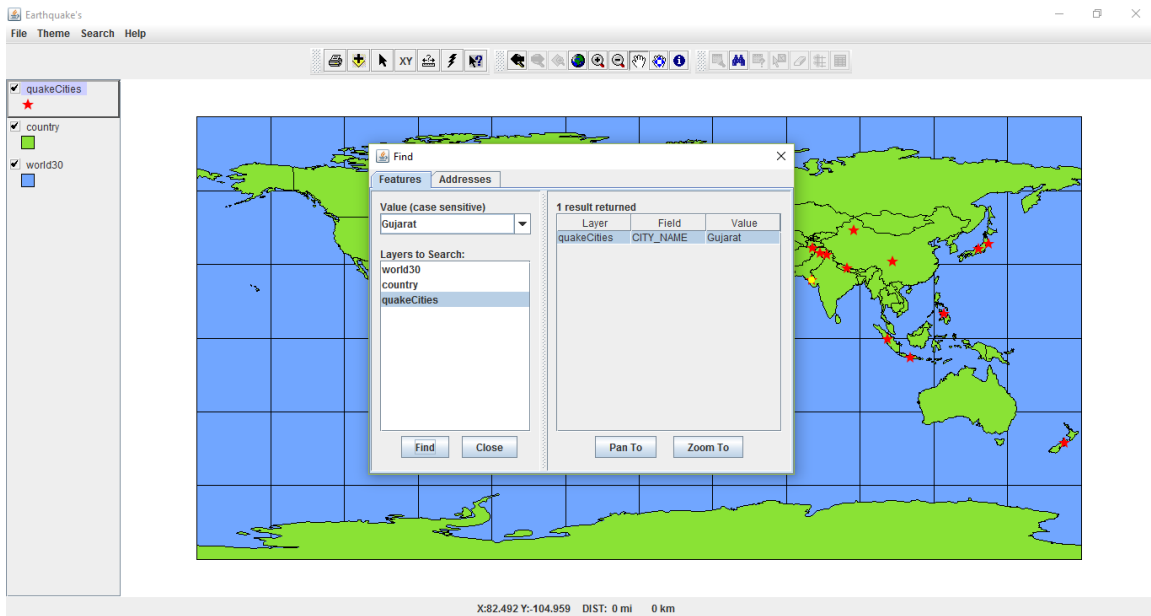
7) Pan In One Direction (icon is the bluish hand)

- a) In this tool we have four options for moving the map: south, north, east or west.



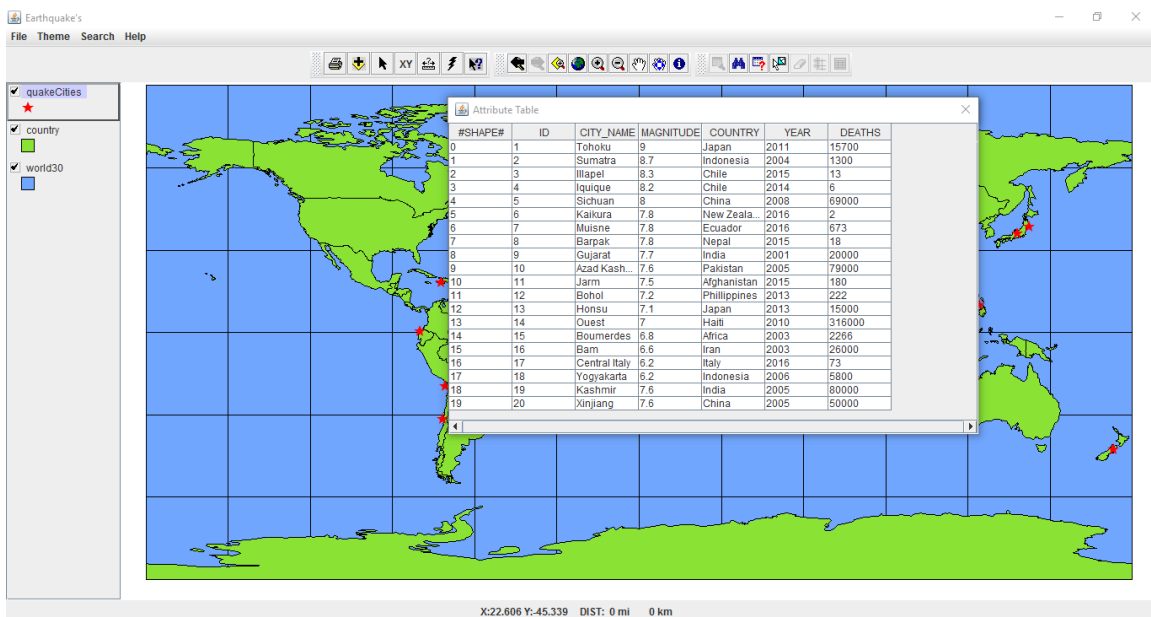
8) Find (this and the next several tools are in the Selection toolbar, the toolbar on the right end of the toolbar row; this icon is a pair of binoculars)

- a) You can find an attribute on the map using this tool.



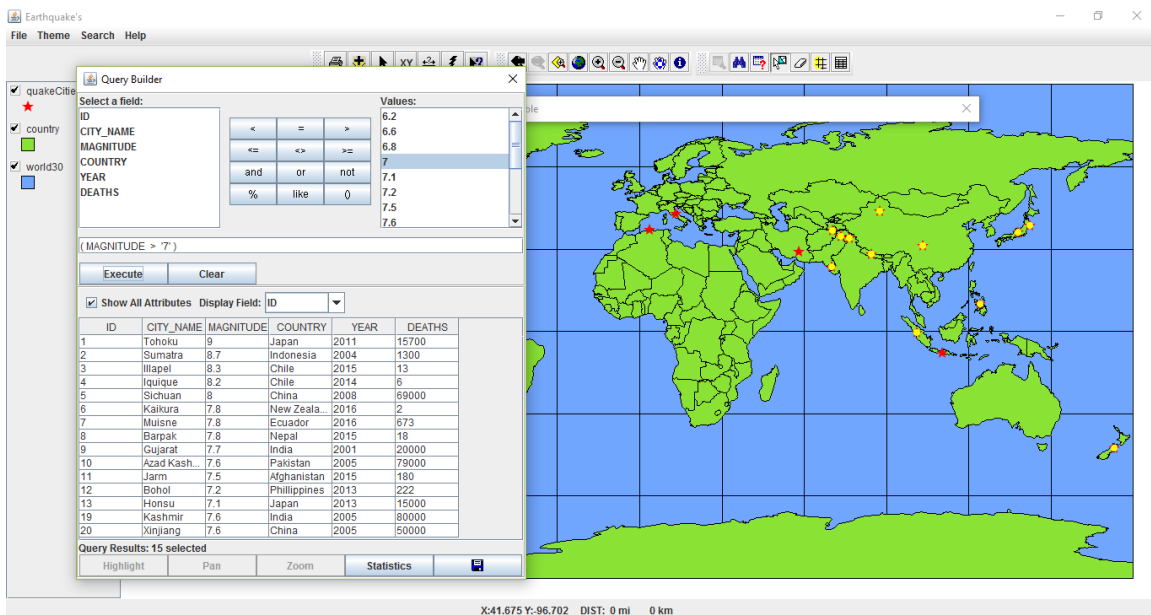
9) Open Attribute Table

- You can reach this menu icon from the Theme Menu.
- First click on any layer in the Toc. If you click on the quakeCities layer, and open the Theme menu, you can select 'open attribute table' you will get the entire information stored about those points.



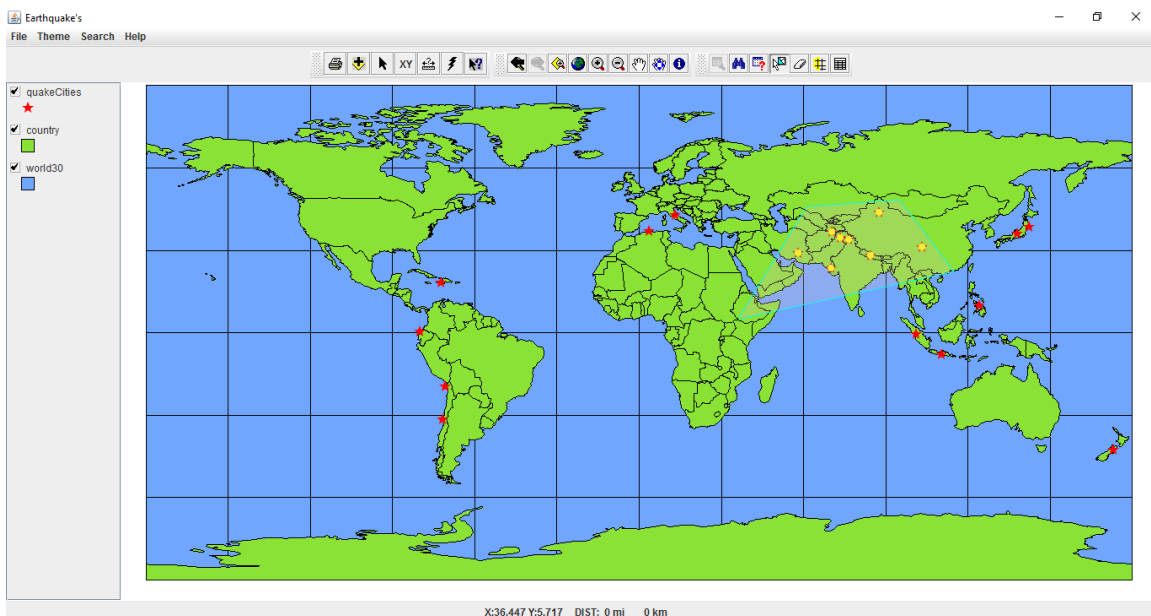
10) Query Builder (the icon has a question mark)

- You can build custom queries in this tool and it will return you the results as attributes.



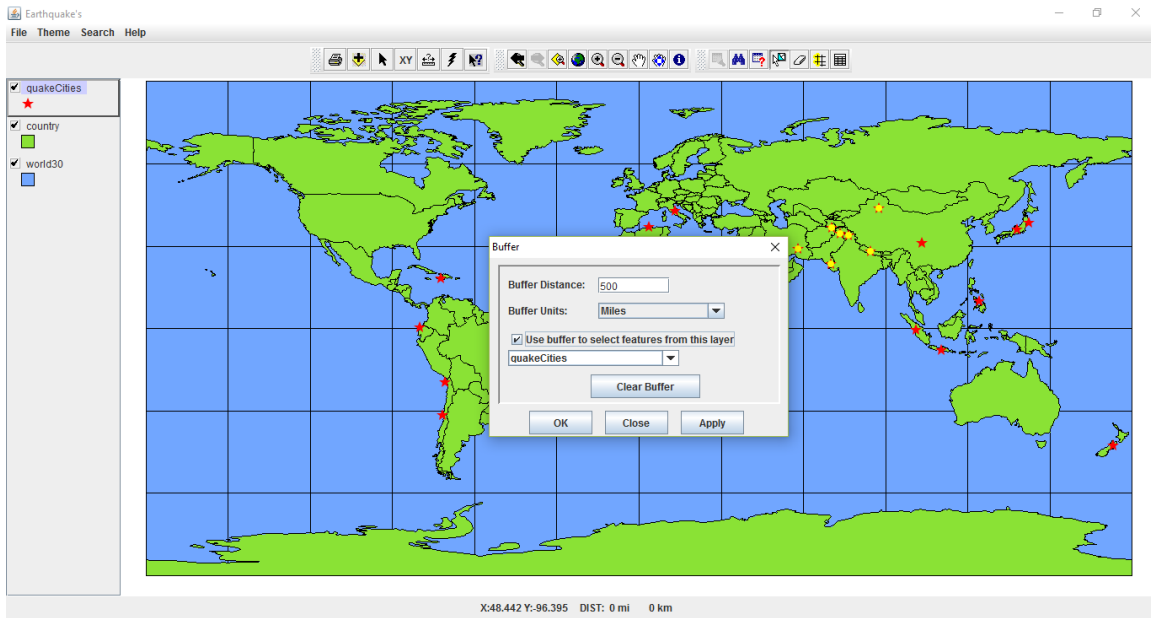
Query builder which shows cities with magnitude greater than '7'.

11) This tool works like an eraser to clear all the selections you have made with select feature tool.



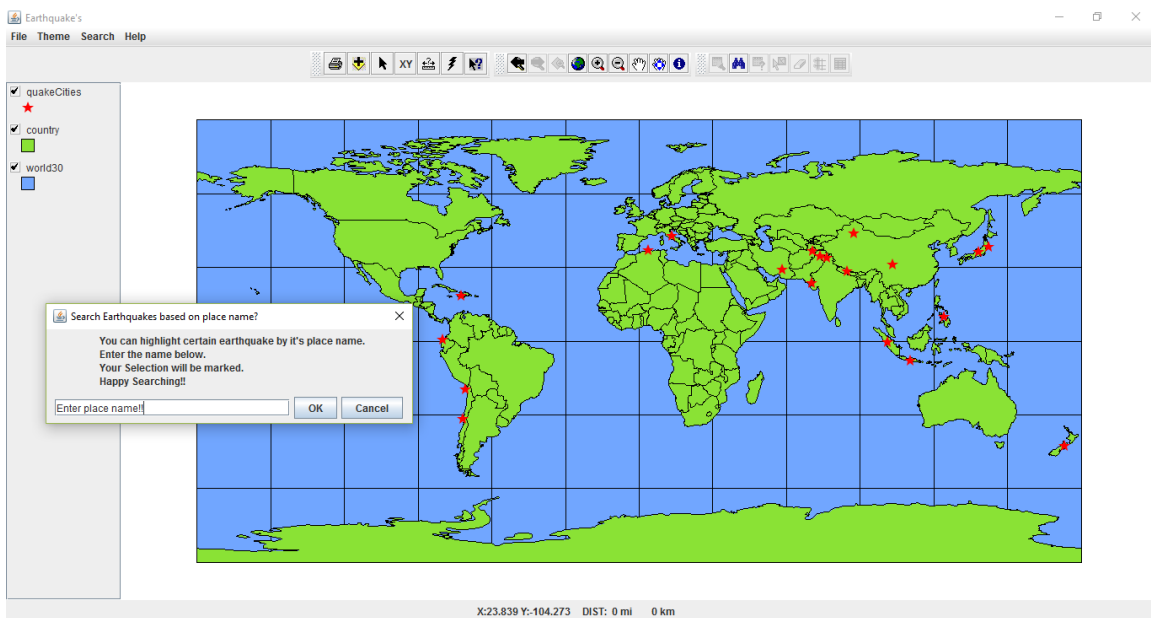
12) Buffer (icon is the one after the 'eraser' icon)

a) Use the buffer tool to buffer the selected area according to selected distance.

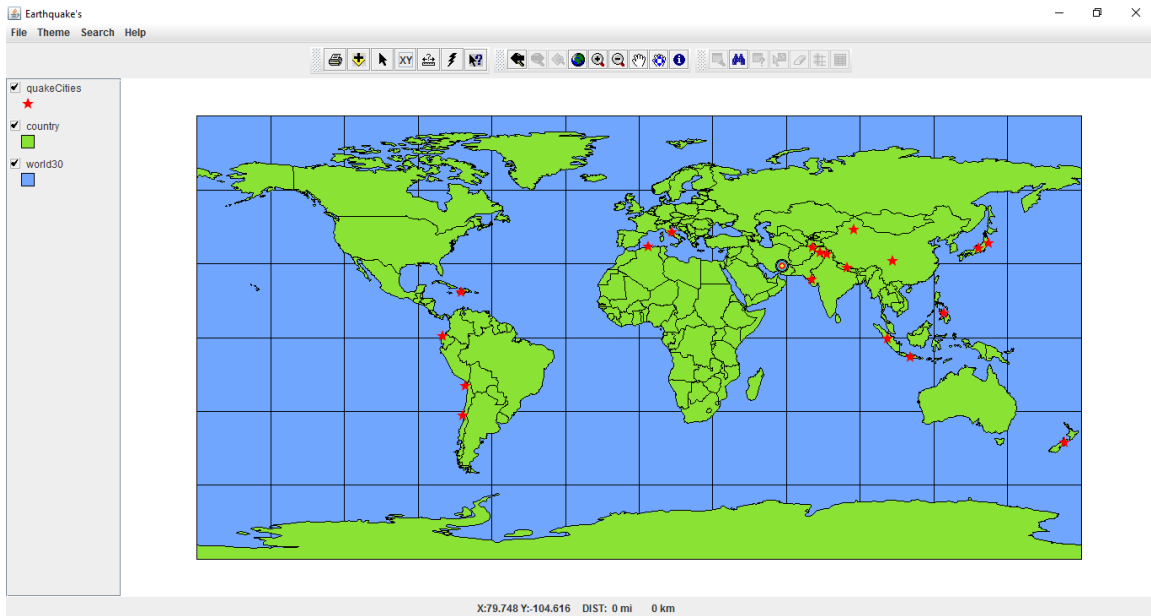


13) Search based on place

- a) In search tool click on the “Search based on place” it will prompt you to enter the place name as below.

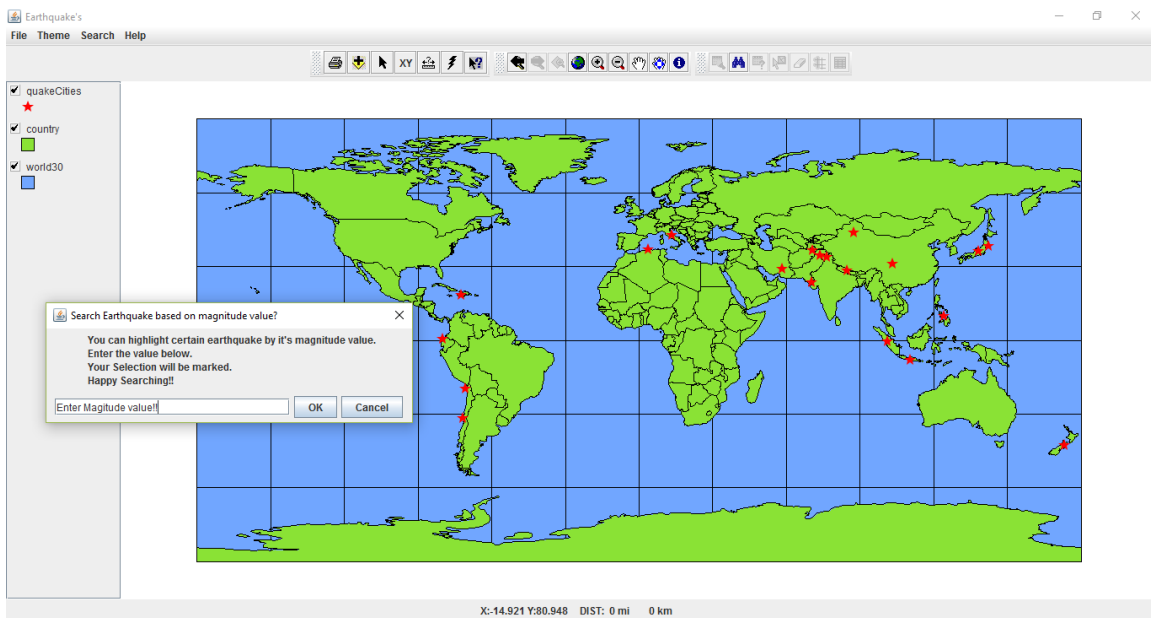


- b) Enter any name from the cities list and it will be shown in the map in little circle around the city as shown below.

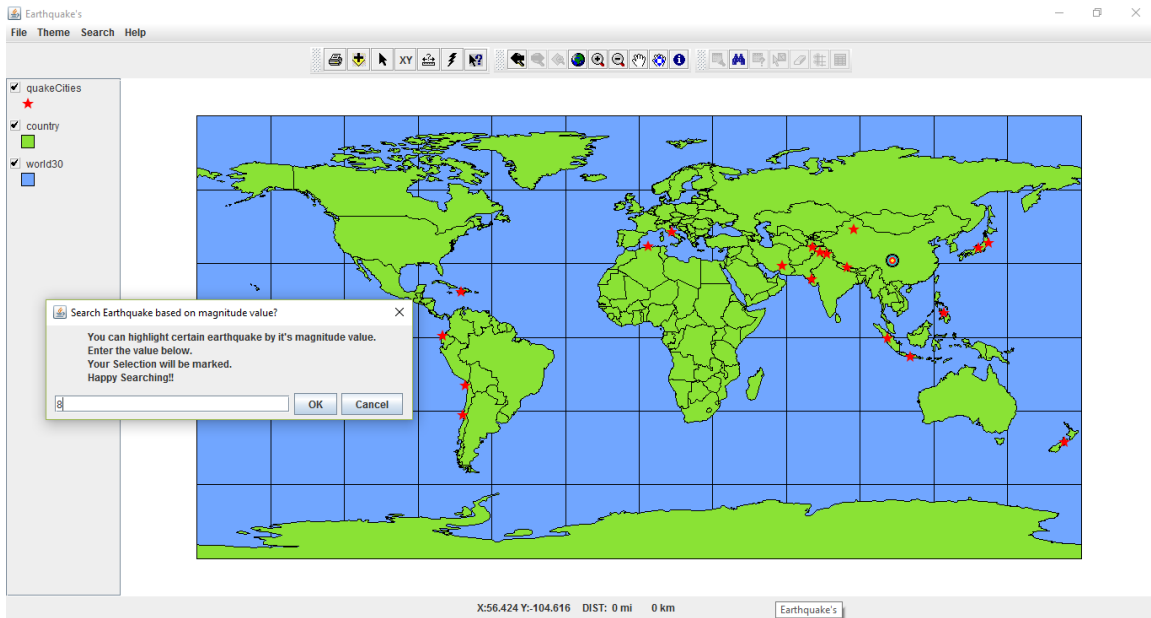


14) Search based on magnitude

- a) In search tab select “search based on magnitude” it will prompt you to enter the magnitude as below.

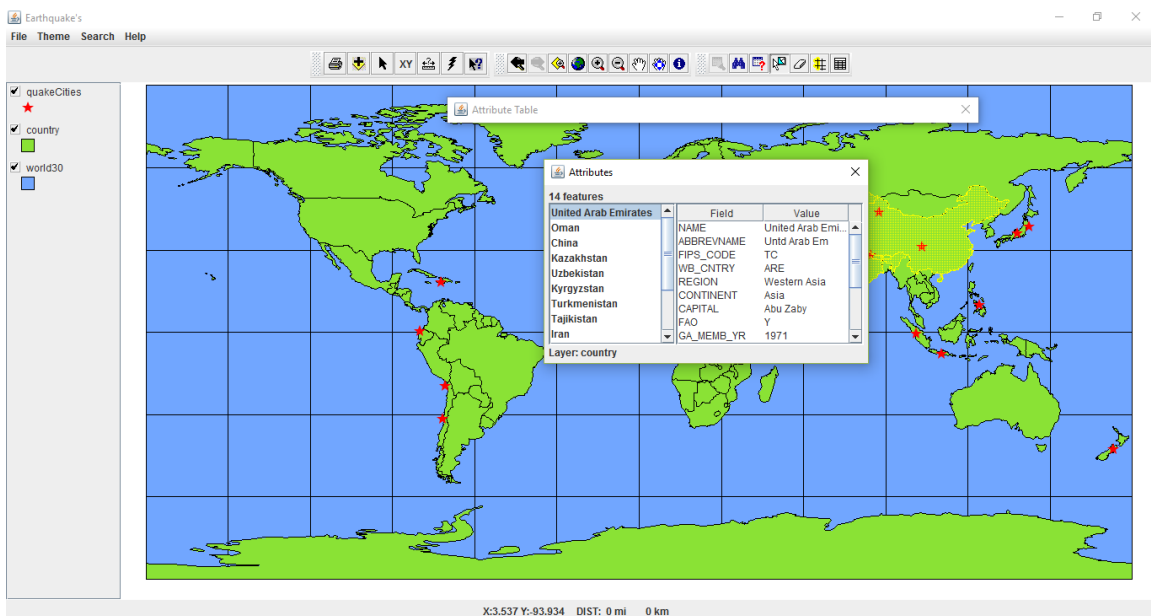


- b) Enter any value of the magnitude and it will be highlighted in the map as shown below.



15) Attributes tool (icon is the one left of XY icon)

- Click on a layer in the toc (table of contents), on the left side of the frame below.
- Click on this tool to look at the attributes of the selected layer.



16) Clear Selection - To clear all the searches performed on the map.