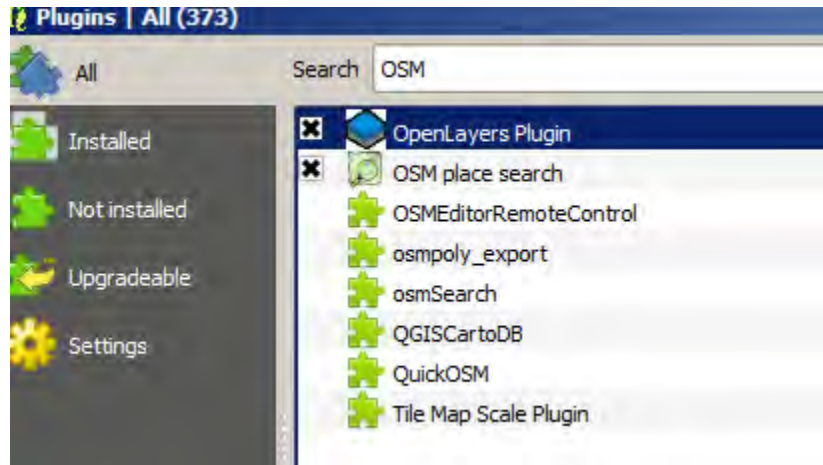
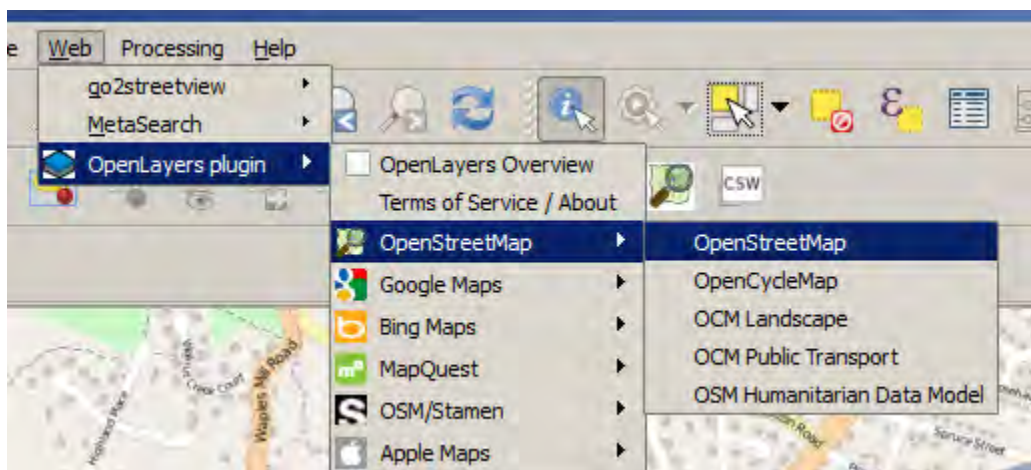


QGIS: Downloading OpenStreet Data and Finding all the banks in Fairfax.

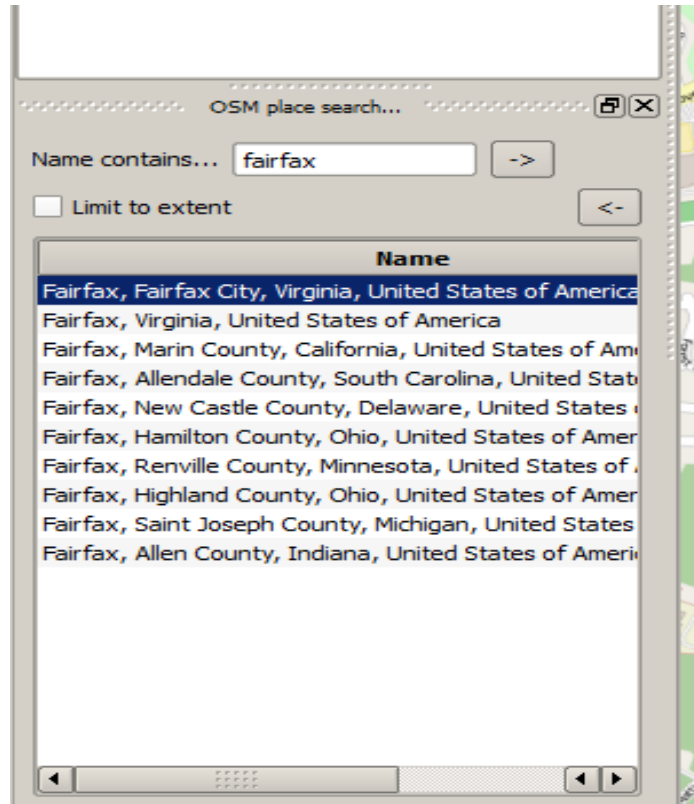
1. This exercise will need two plugins **OSM Place Search** and **Open Layers**. From toolbar Plugins>Manage and Install Plugins. Select them individually and install them.



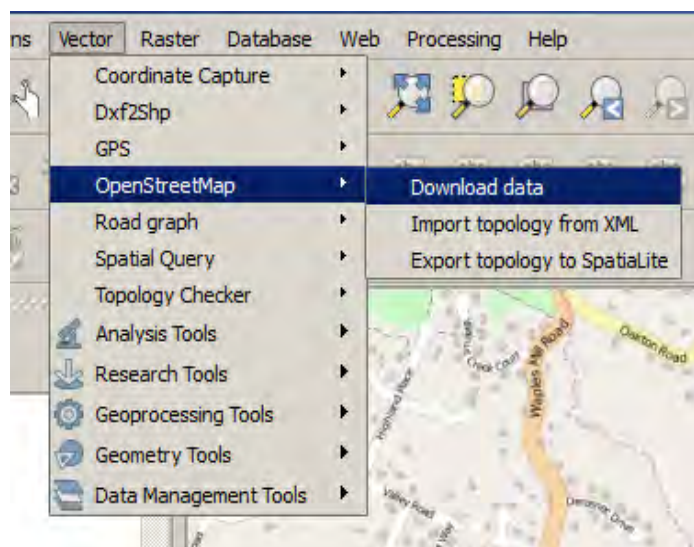
2. After installing we need add a base Layers, as shown in the figure below go to web>Open Layers Plugin>Open Street Map> OpenSteeTMap. After this you should be able to see the wold map on screen



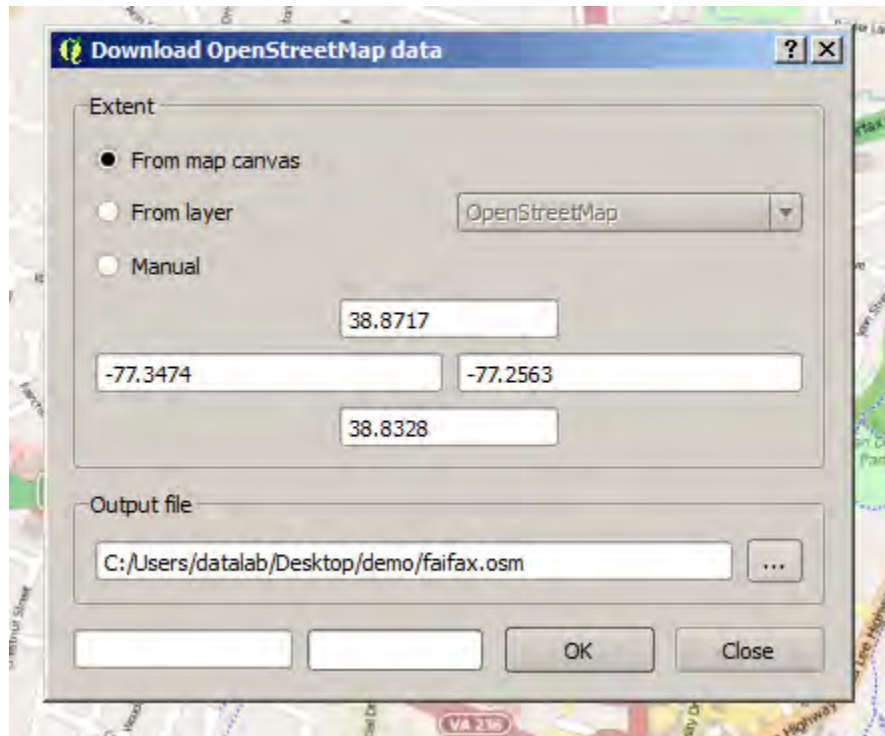
- From the world map we search for location that we are interested in, In this tutorial we search for Fairfax. We can find the OSM search plugin towards that left bottom of the window. Enter the location as shown in the below picture.



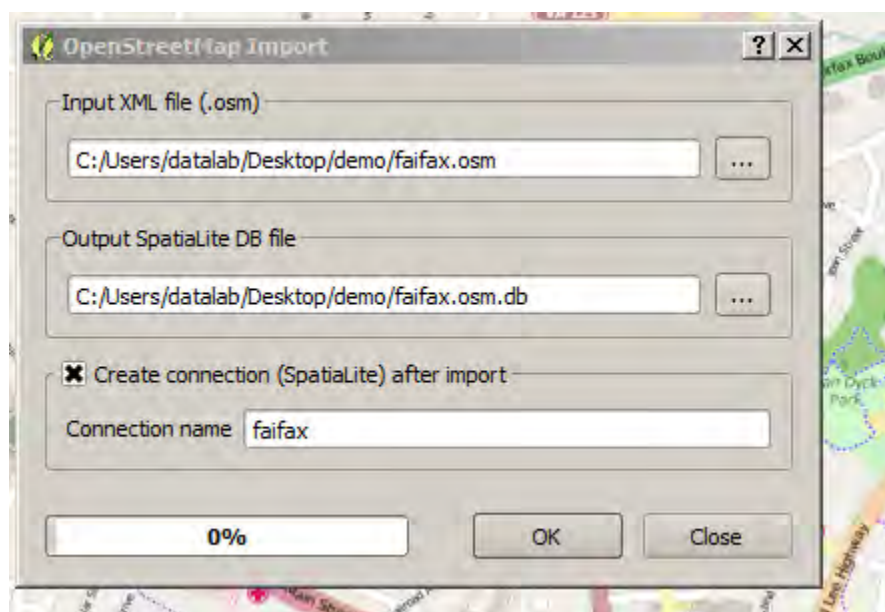
- Results are presented, select the one we are interested in, the same should be seen in the canvas area . Now we need to download this, go to Vector > OpenStreetMap>Download Data



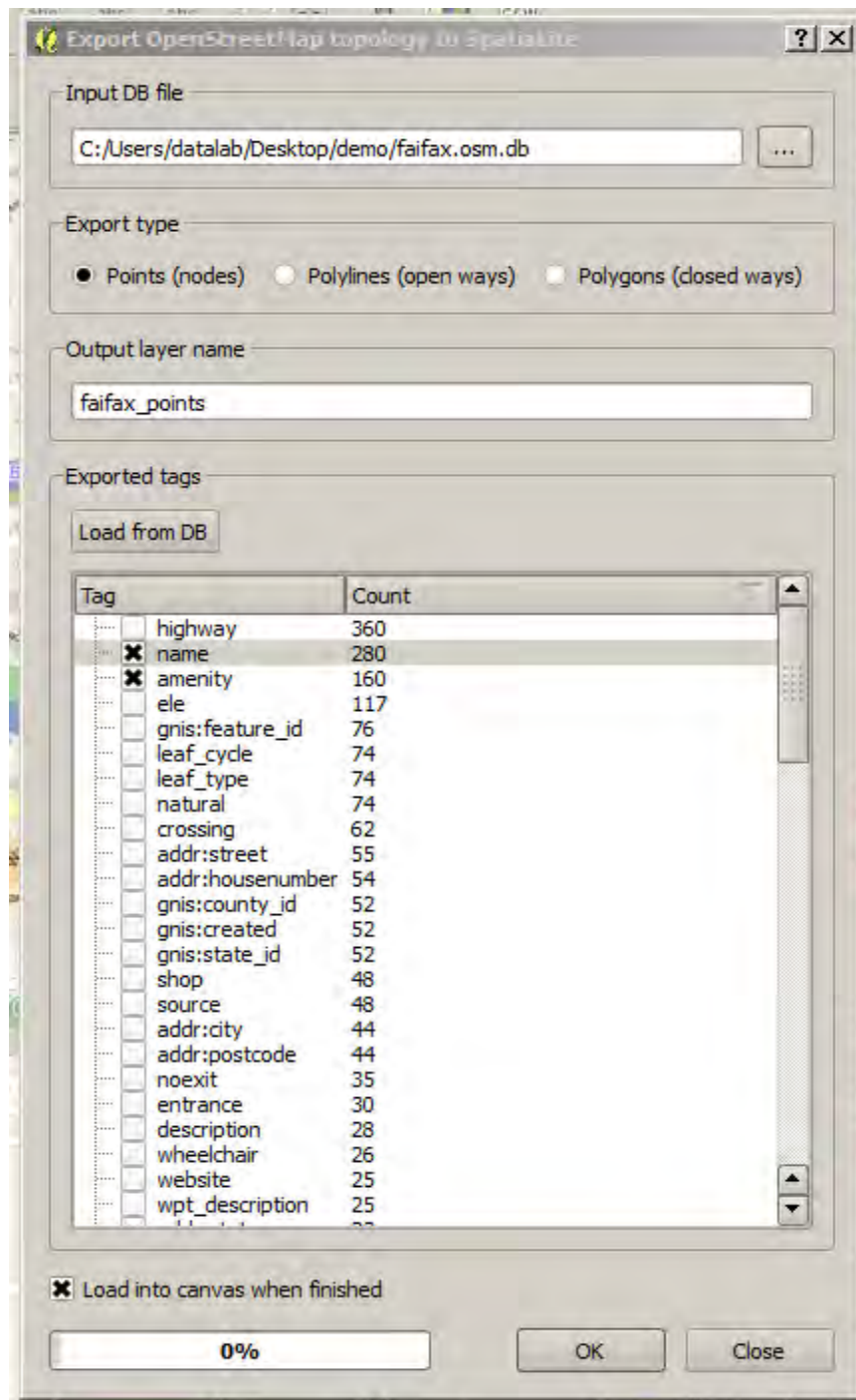
5. Select a proper destination with a appropriate file name .



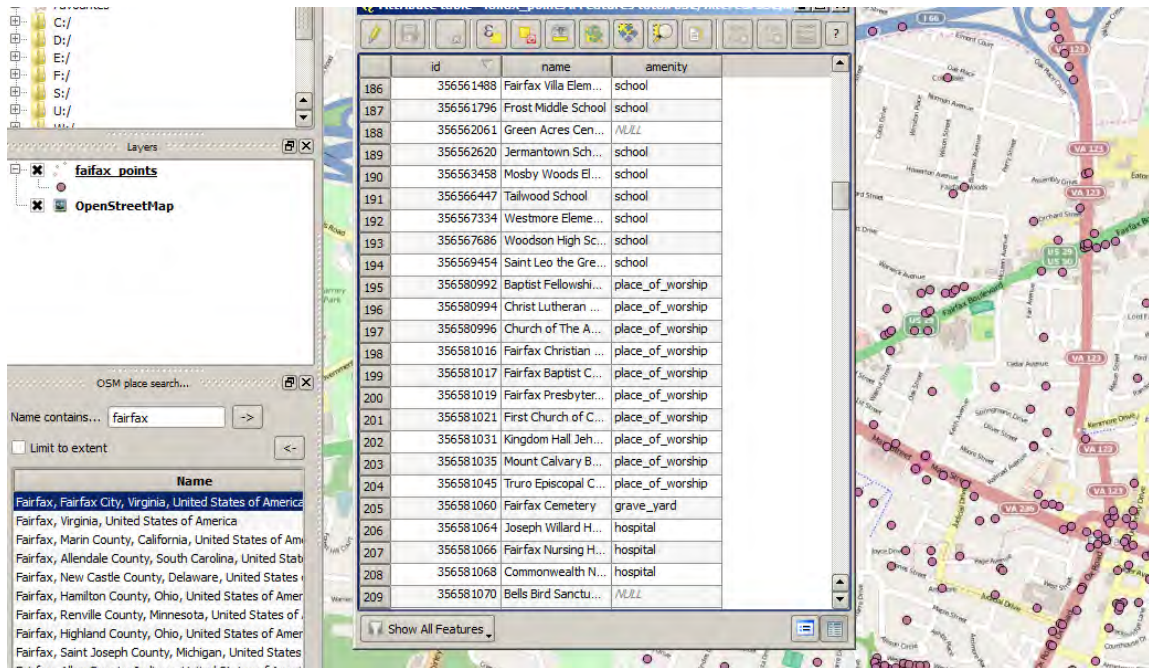
6. After the download completes. We will import this to a DB file. Vector> OpenStreetMap>Import Topology from XML. And click Ok



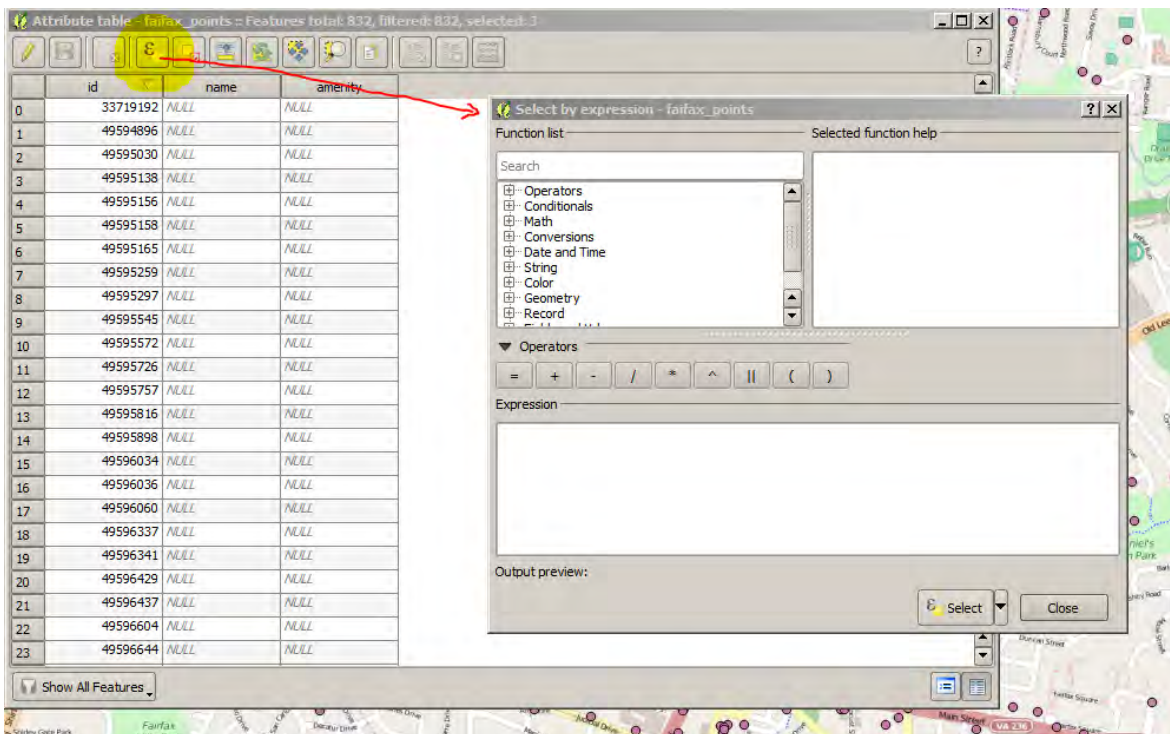
7. We can now use DB file to generate shape file for us to work with. Again go to Vector> Open Street Map> ExportStreetMap Topology to Spatial lite. Select name, amenity and Press OK



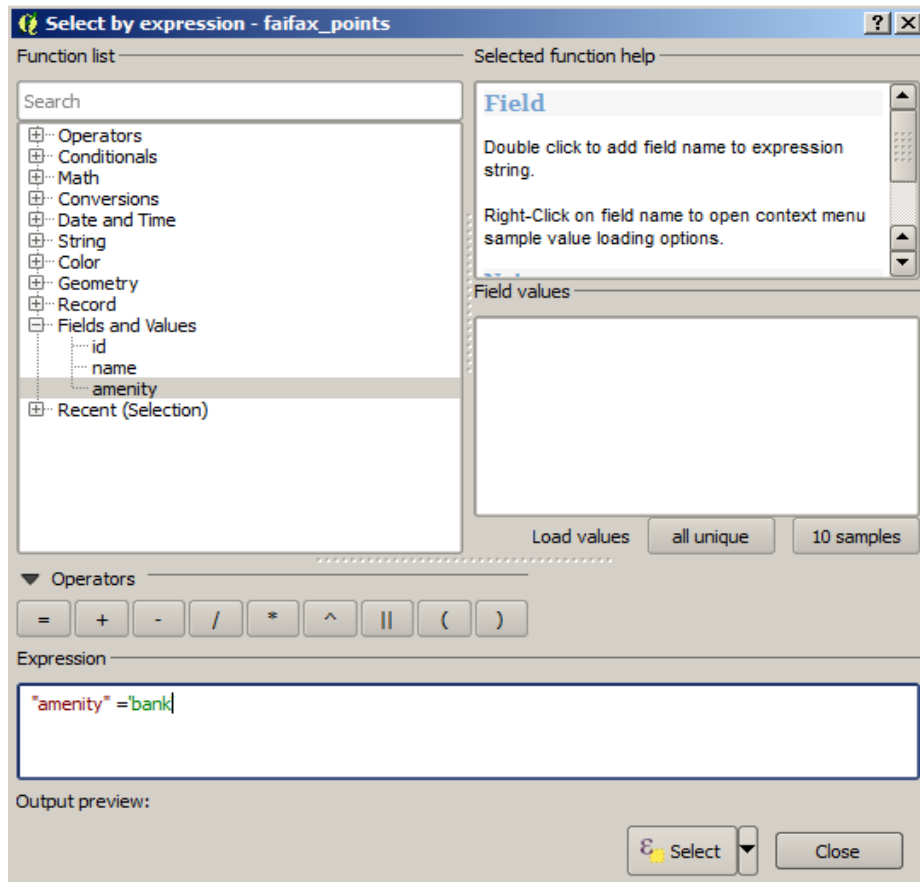
- Now you there must be a layer in the layer panel, right click on that click open attribute table. You should be seeing something similar to the picture below



- Now from the list we are interested in banks only, to get banks we select them by expression below.

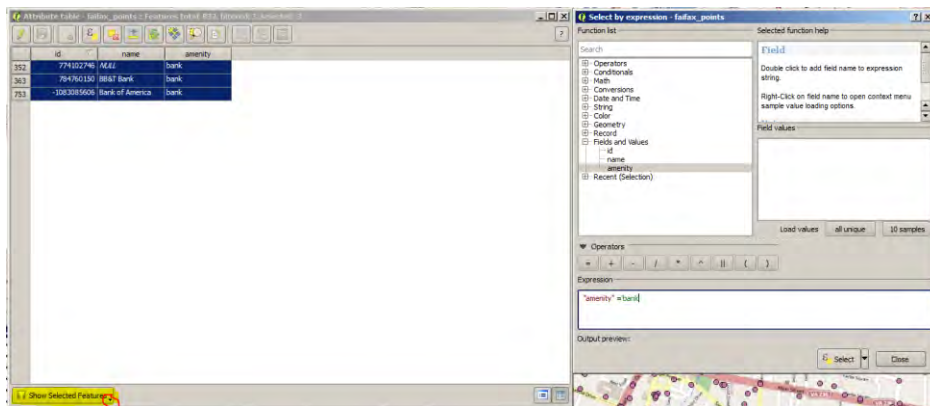


Double click on amenity and complete the rest of the expression as shown in the box below.

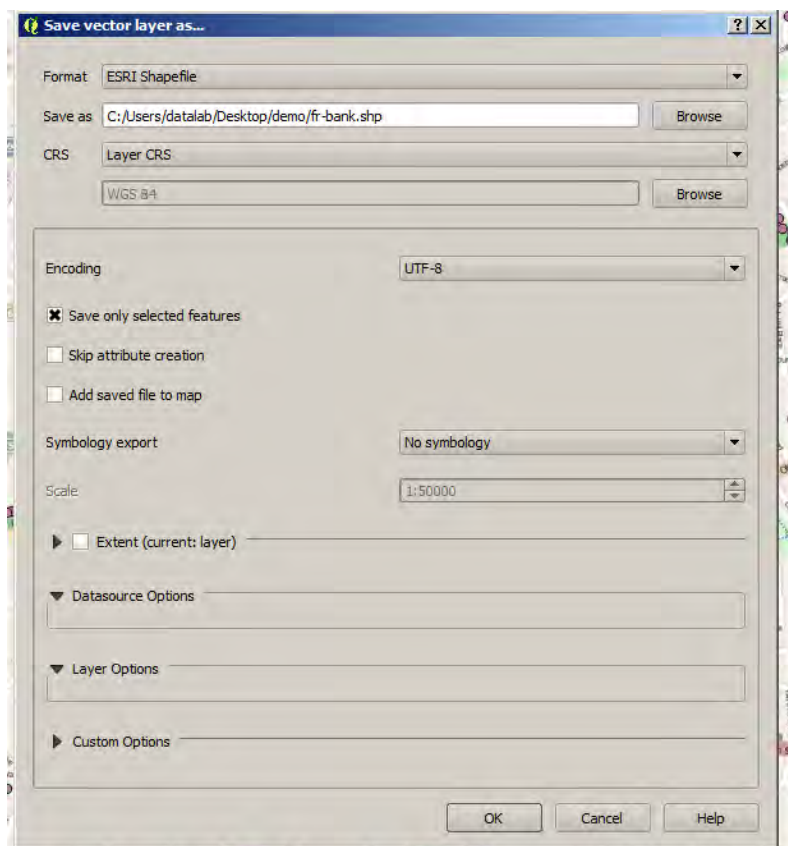
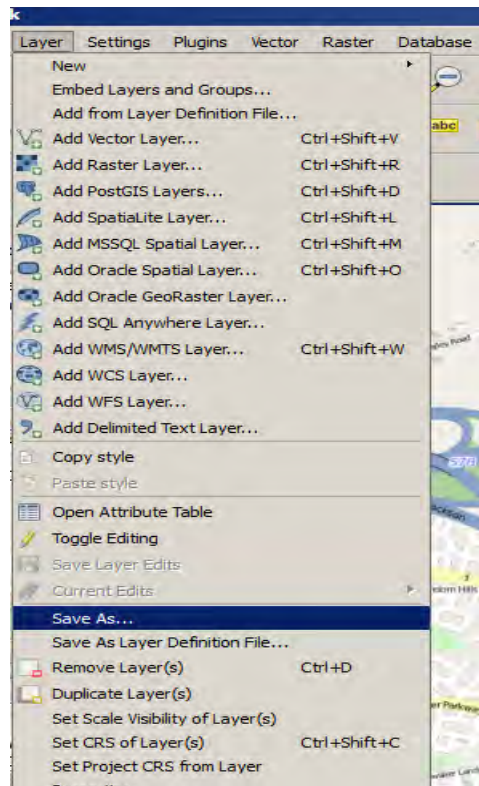


If there is any error in the expression that you have typed in, you will get an error just beside Output Preview.

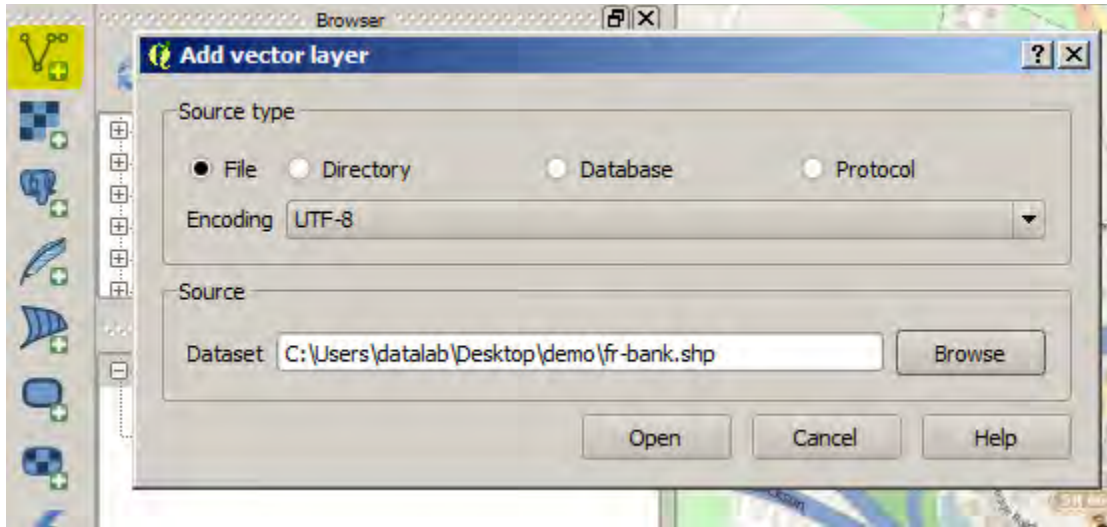
After getting the expression right, click on select, that should bring up the results window as shown in the picture below.



10. We save the results that we have obtained as a new layers, Layer > Save As. Give a appropriate name for file, and mark the option to save only selected features



If you forgot to mark the option to add map to the canvas by adding as shown below.



11. Now we can see all the banks in Fairfax as shown below.

