Reverse Geocoding in QGIS Aim:

To extract location details and save as csv.

Introduction:

Reverse geocoding is the process of converting geographic coordinates (latitude and longitude) into a human-readable address or location description. For example, if you have the coordinates of a location, reverse geocoding can help you determine the exact street address or location name.

Tools:

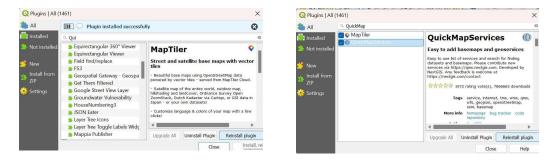
- QGIS: A free tool for mapping and working with geographic data.
- MMQGIS Plugin: An additional tool in QGIS that helps with tasks like reverse geocoding.
- OpenStreetMap (OSM): A free map that provides location data, which is used for reverse geocoding.

Data Source:

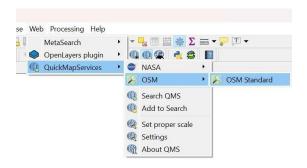
- OpenStreetMap (OSM): is used to find the addresses from your coordinates.
- Location Data CSV file: Contains the latitude and longitude coordinates

Steps:

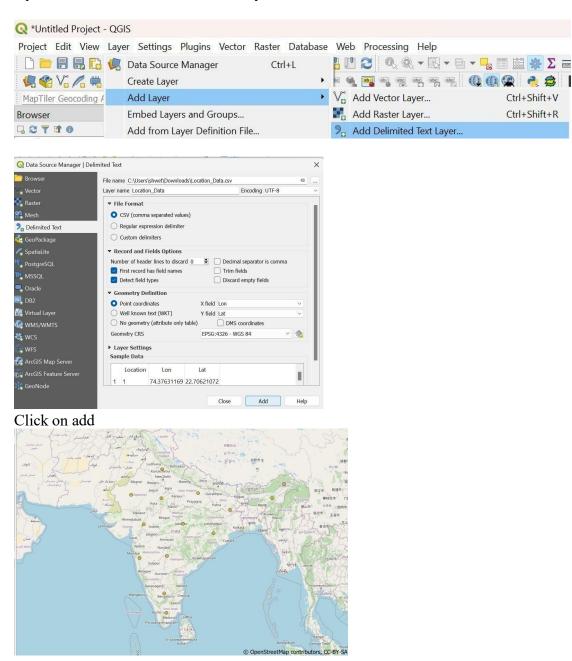
Step 1 : Go to plugins and install Map Tiler and QuikMapServices



Step 2 : Go to web then click on QuickMapServices and then OSM and then click on OSM standards



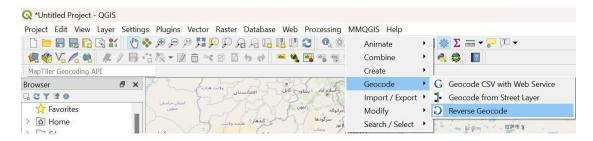
Step 3 : Now we need add Location_Data file for this go to layers and click on add layer and then add delimenited text layer



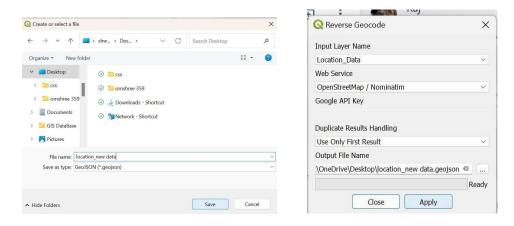
Step 4: now for extract the location data we need to install mmqgis



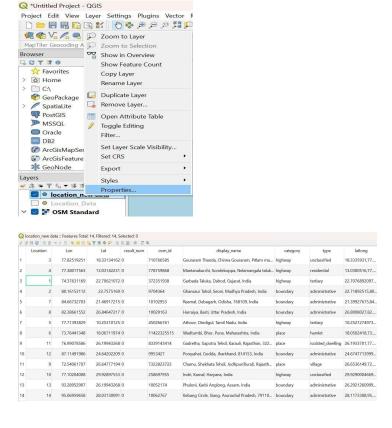
Step 5: then click on MMQGIS then Geocode and then click on Reverse Geocode



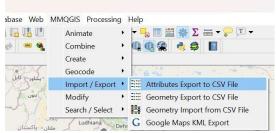
Step 6: now save output file on your location



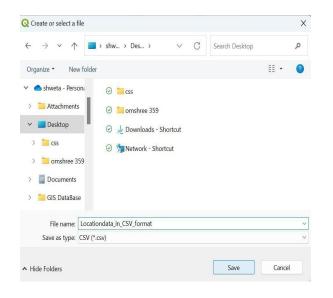
Step 7: Right click on location new data and open attribute table

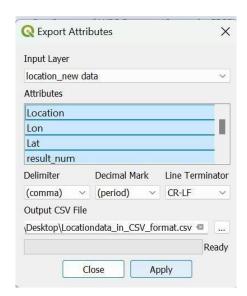


Step 8 : now go to MMGQIS and then import / export and then click on attributes to csv file

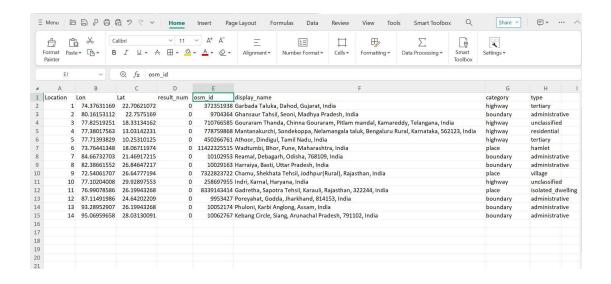


Step 9: save file





Step 10: Now go on Location data _in_CSV file Step 11: It will show the data



Reference:

Data set: https://drive.google.com/file/d/17jXv4vf2CxdJ-

QEW3gsY iFVKPcw5bhf/view

 $\label{lem:distribution} Github: $ \underline{https://github.com/AmrutaSatpute18005/GIS-project/blob/main/gis%20project.qgz }$

Conclusion: The above project has been implemented and executed successfully.