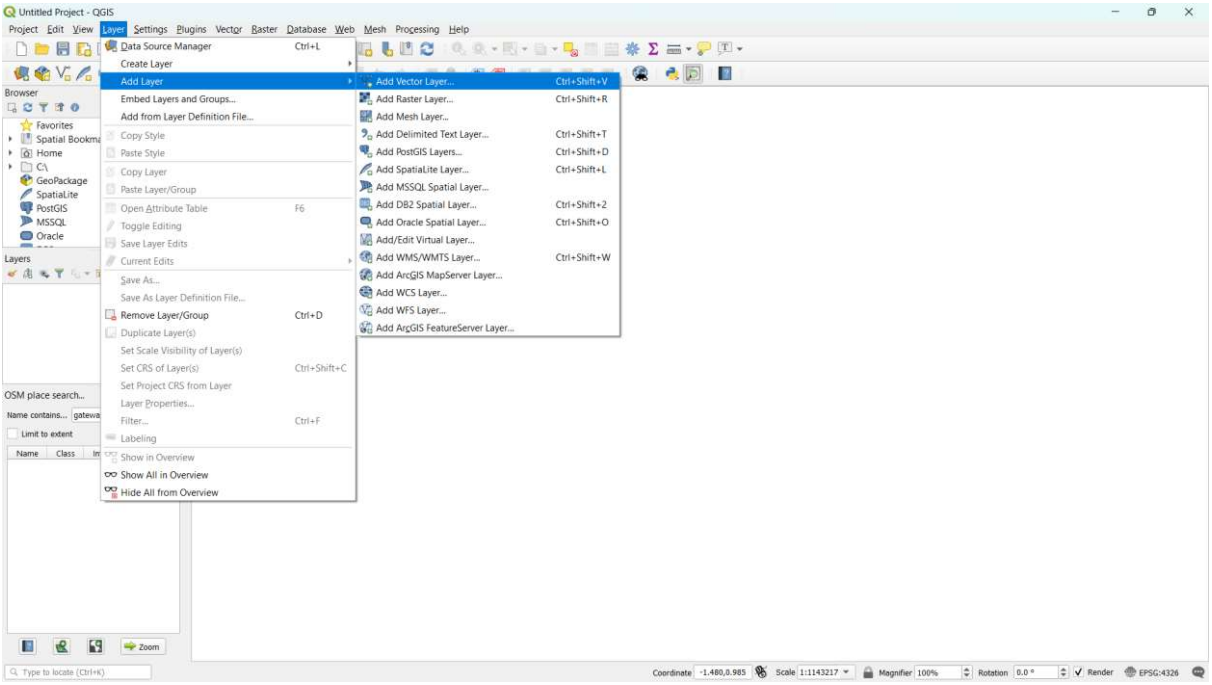
PRACTICAL – 4

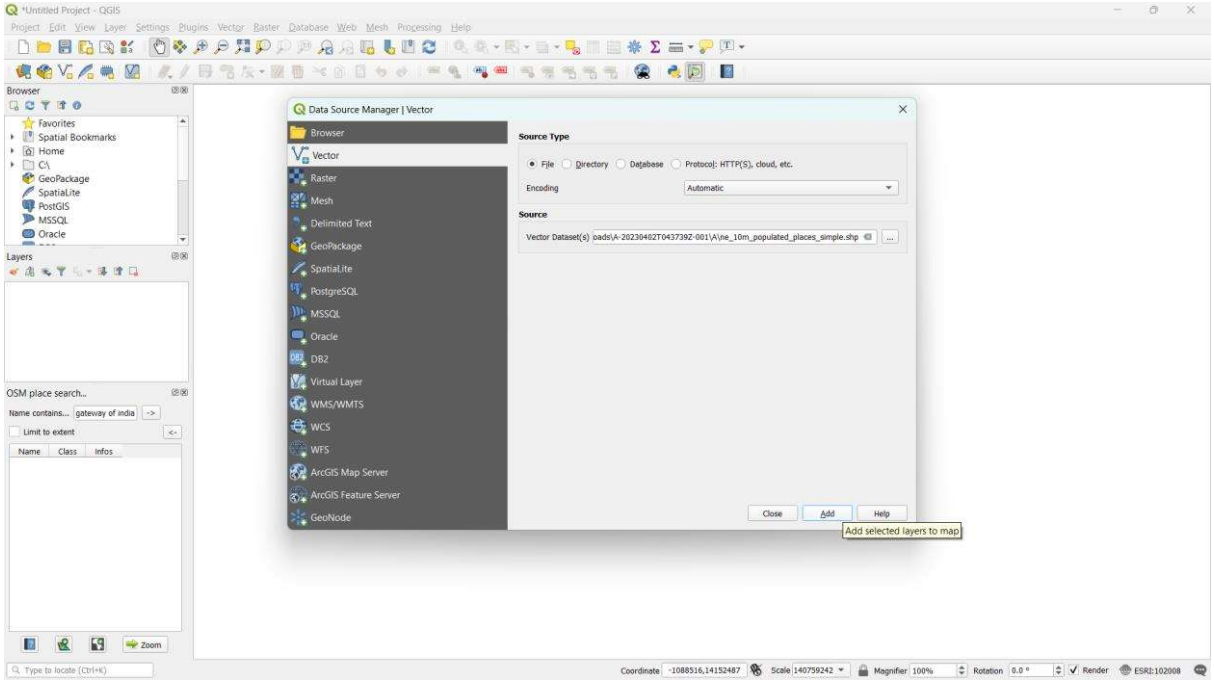
Aim: Working with attributes, terrain Data.

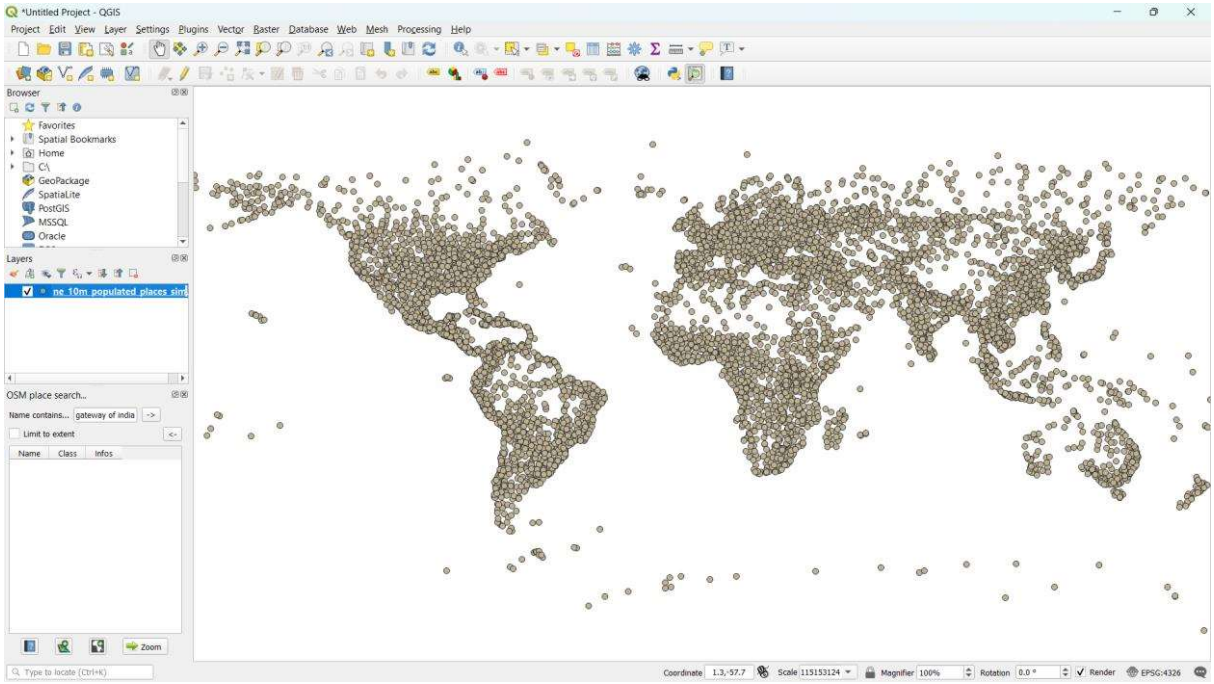
Steps:

Step 1 – Open QGIS Desktop and create a new project. Layer > Add Layer > Add Vector Layer.

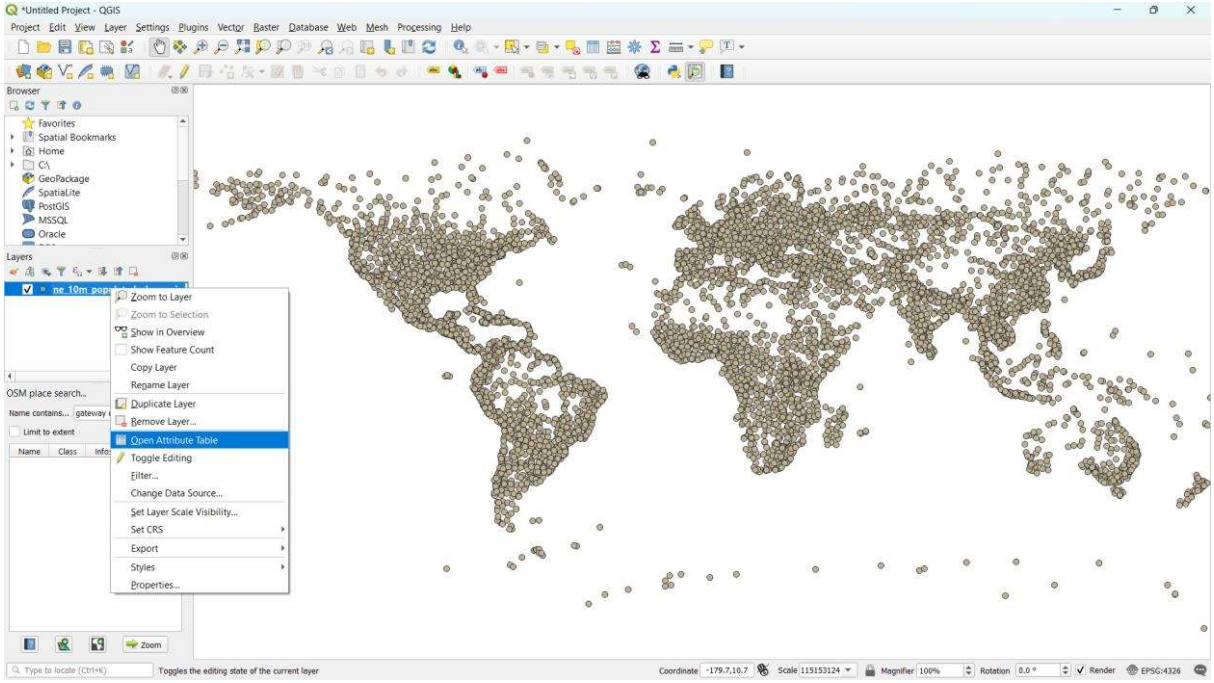


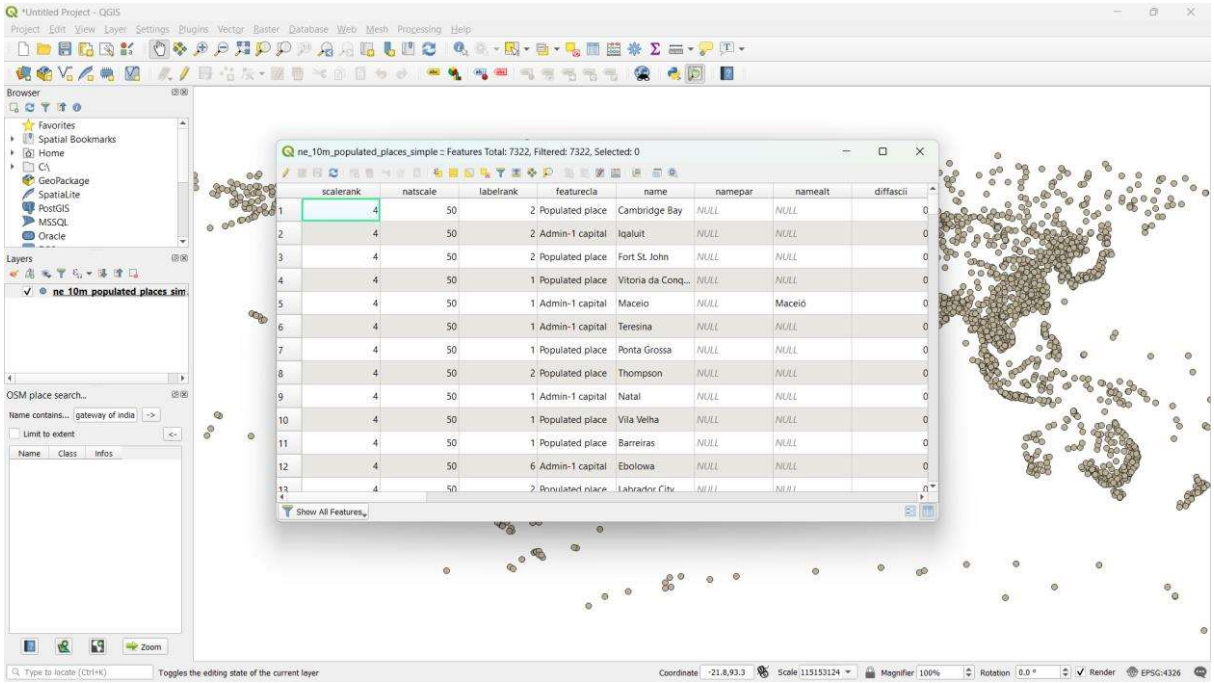
Step 2 – Select the following file and click add.



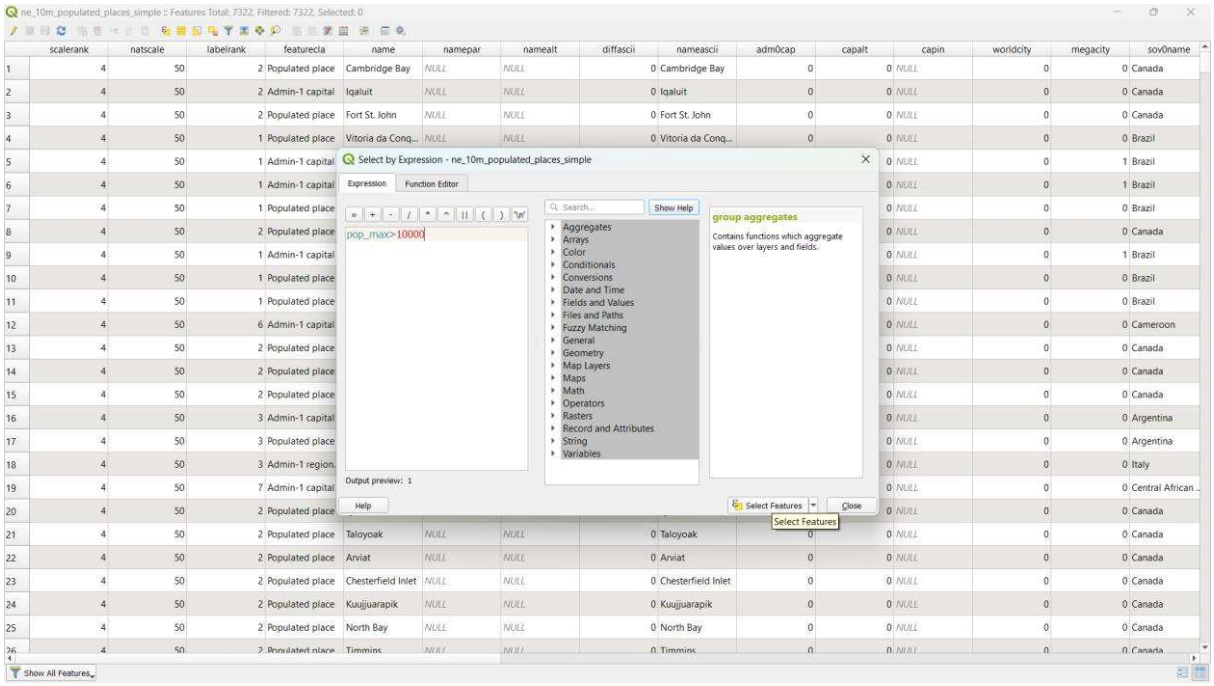


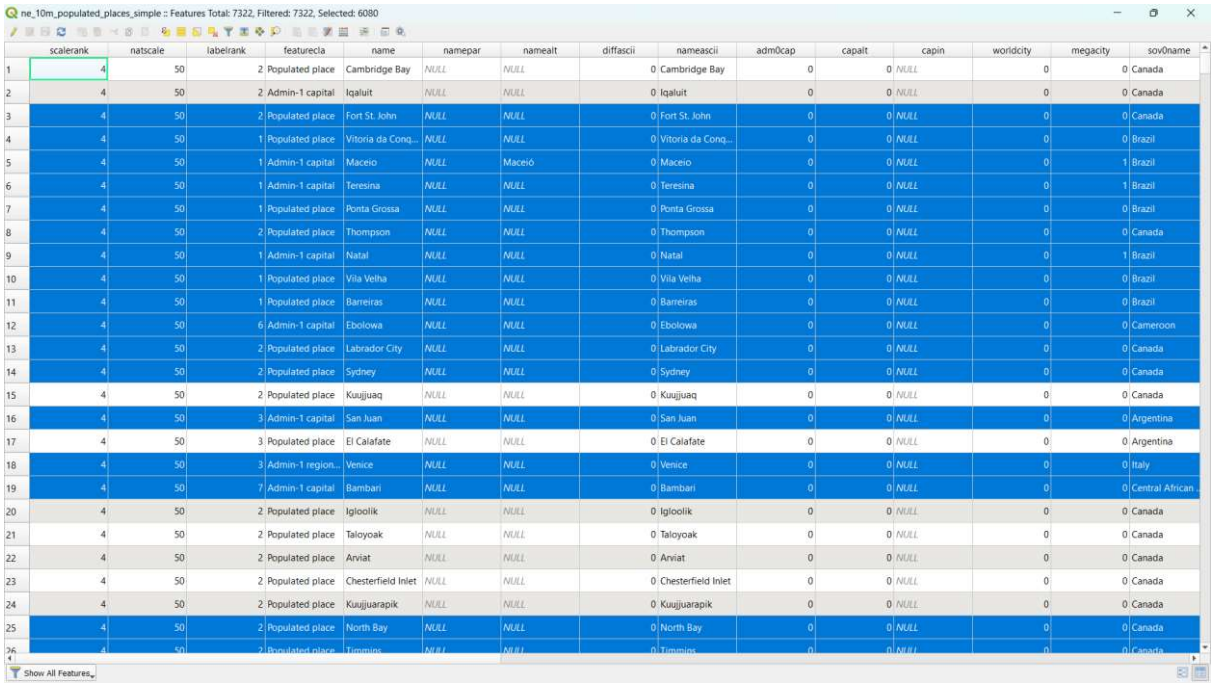
Step 3 – Right click on the layer and open Attribute Table.

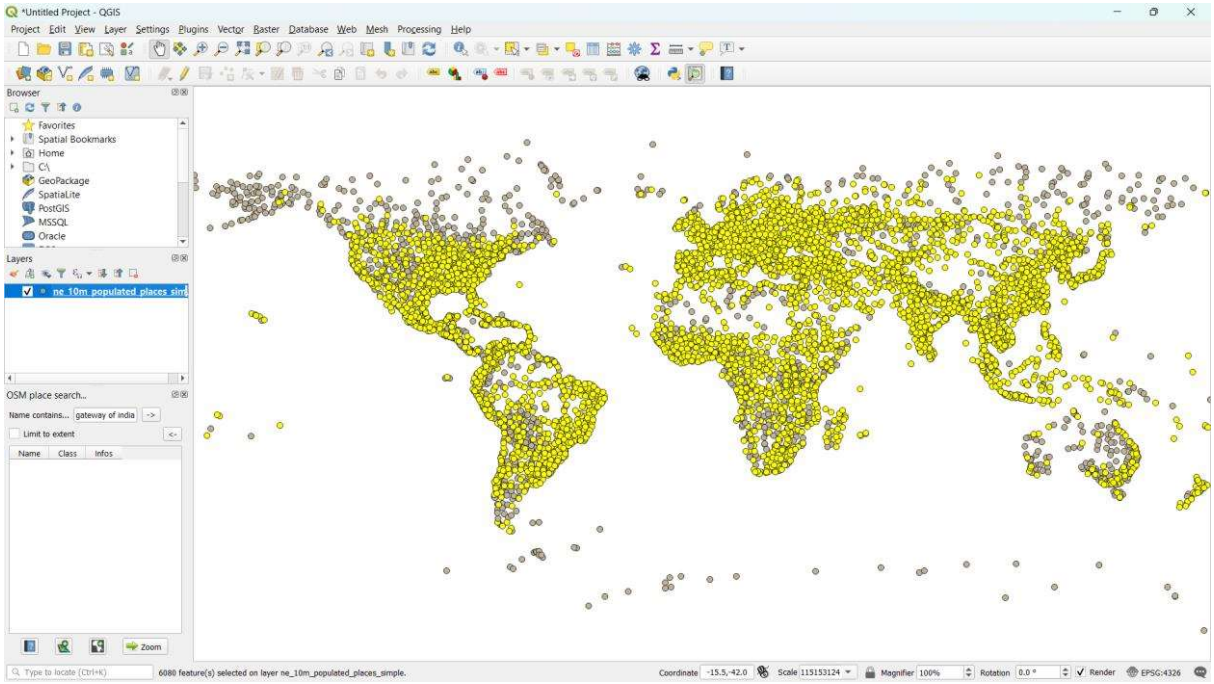




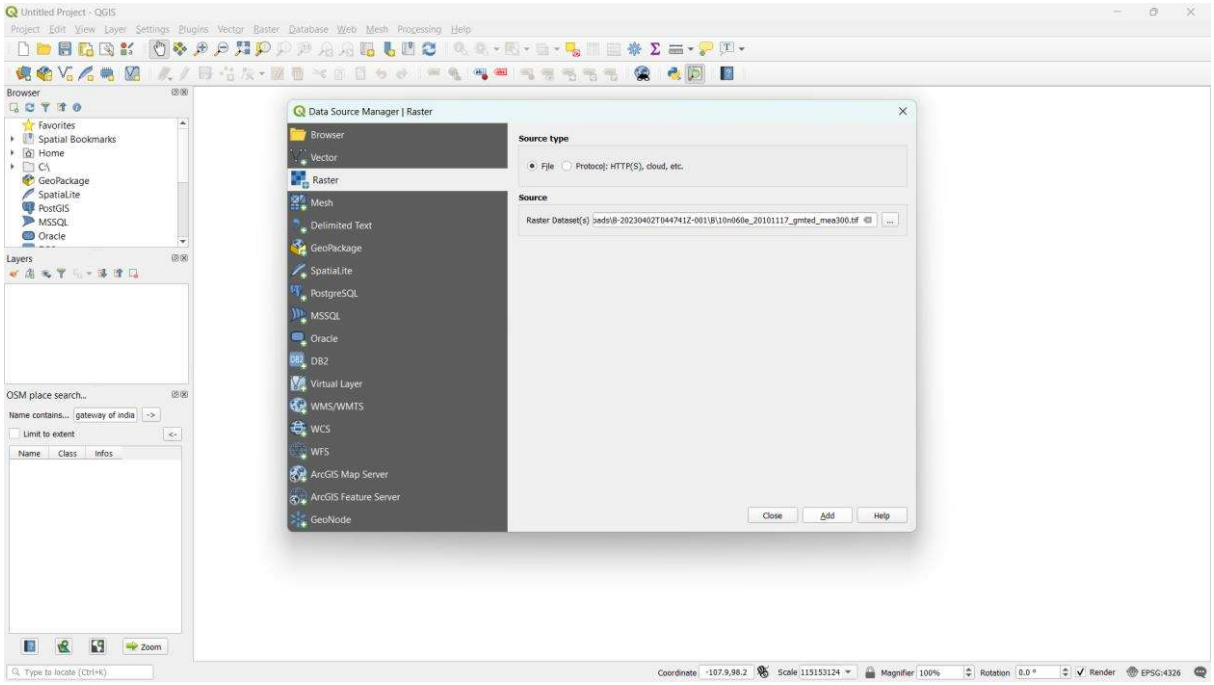
Step 4 – Click the select features using expression tool and enter the following expression then click select features.



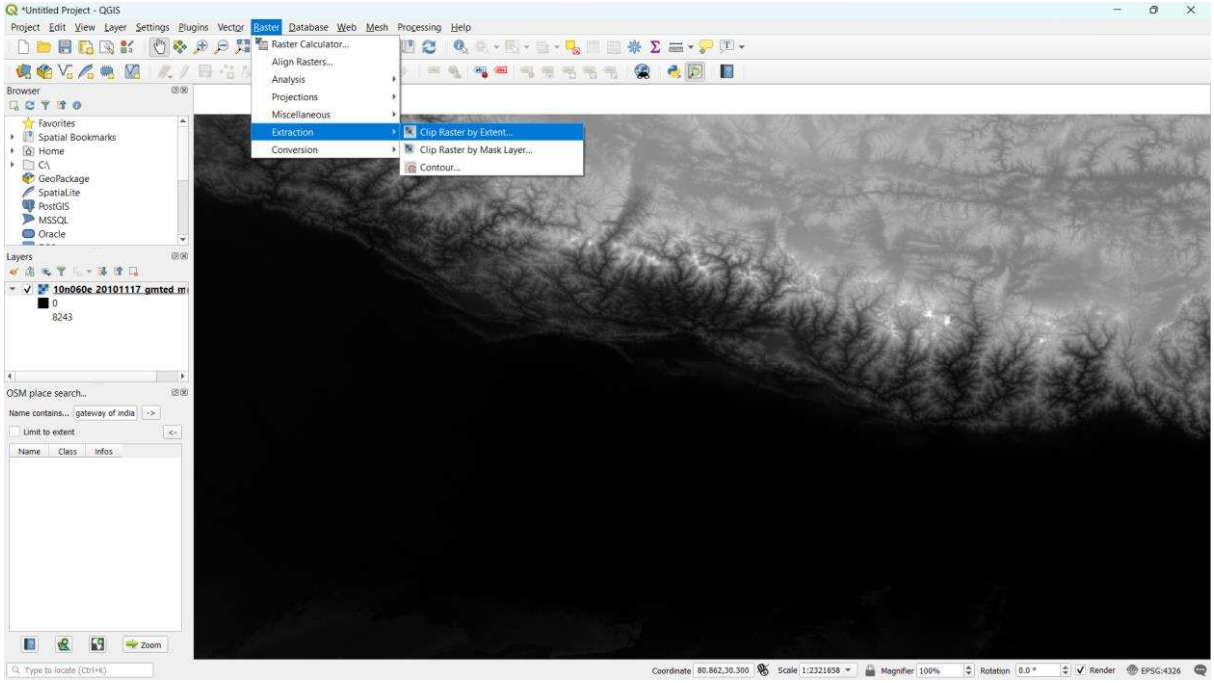




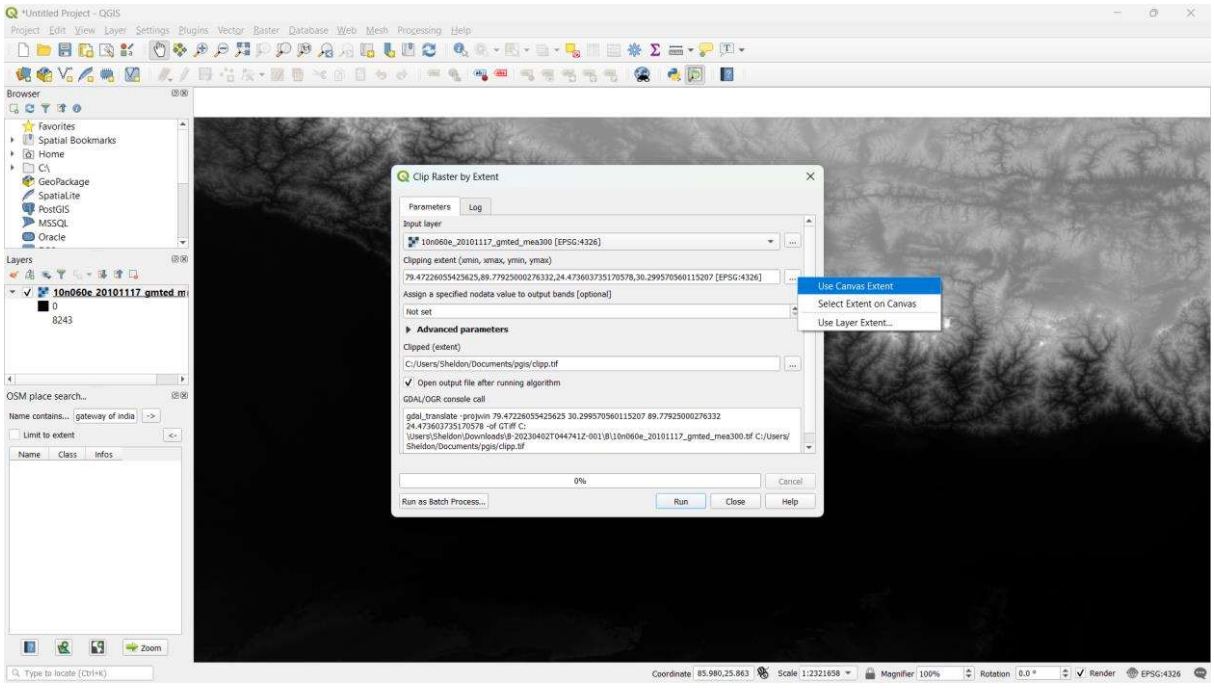
Step 5 – Create a new project and add the following raster layer.



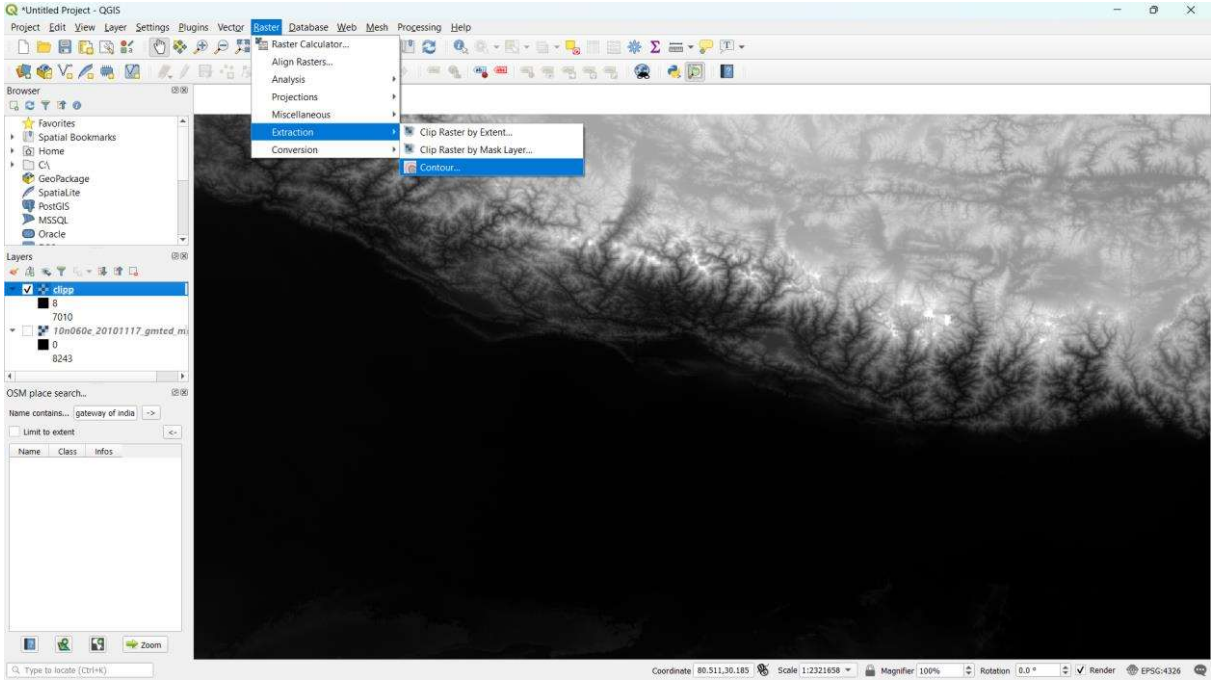
Step 6 – Raster > Extraction > Clip Raster by Extent.



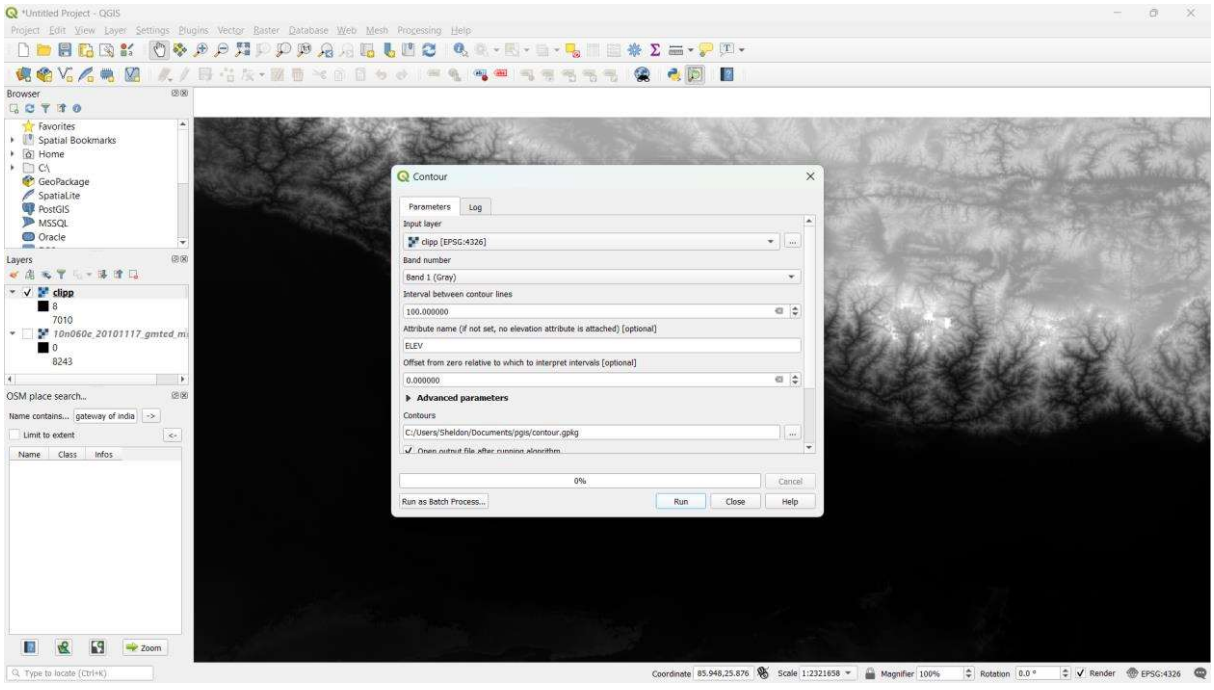
Step 7 – Set the following parameters and hit run.

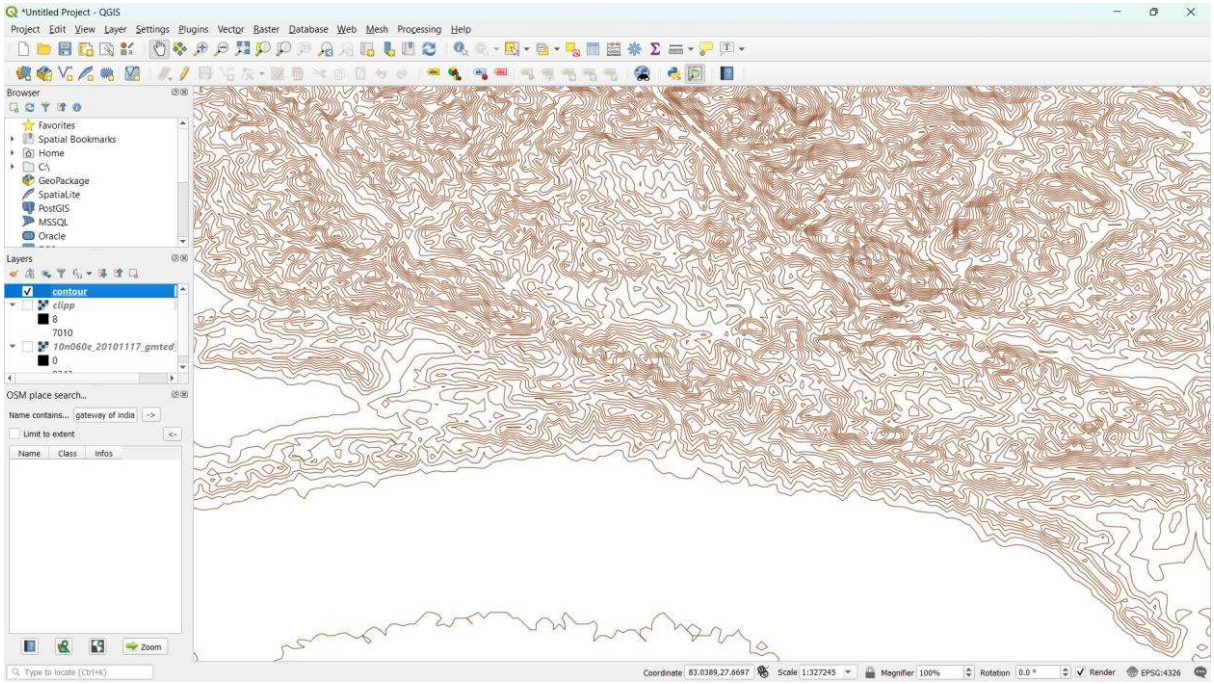


Step 8 – Raster > Extraction > Contour.

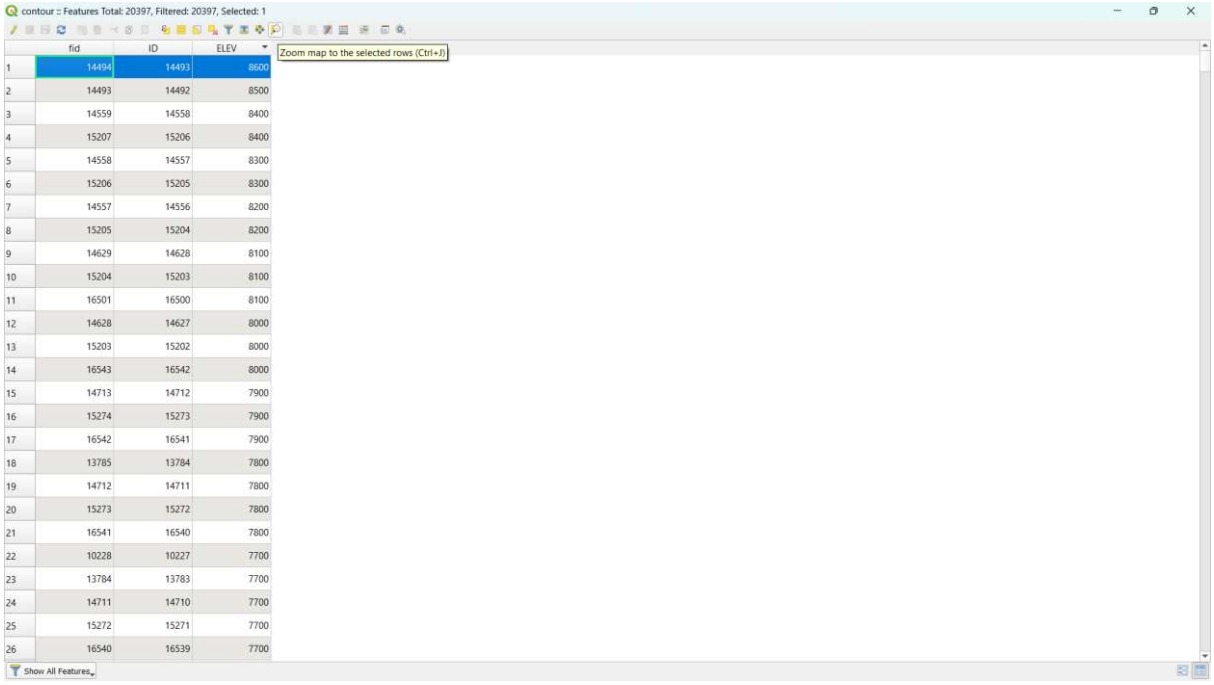


Step 9 – Set the following parameters and hit run.



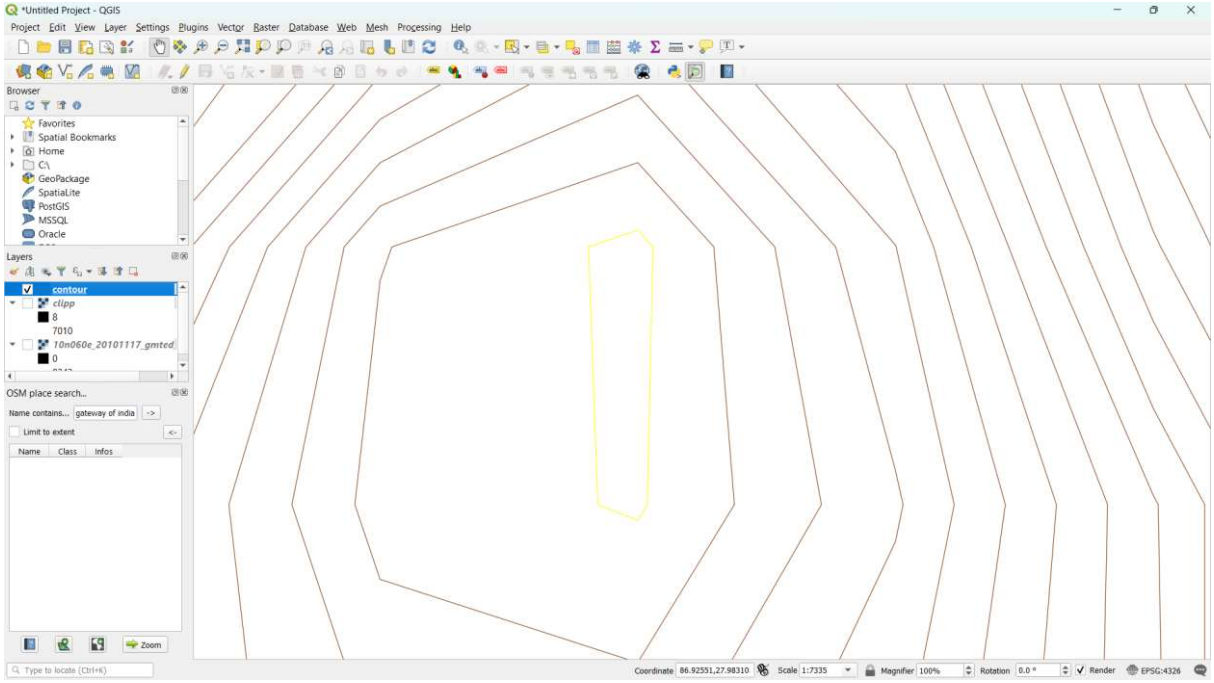


Step 10 – To find the highest point open the attribute table. Sort the elev column in descending order, select th first row and click the zoom map to selected rows tool.

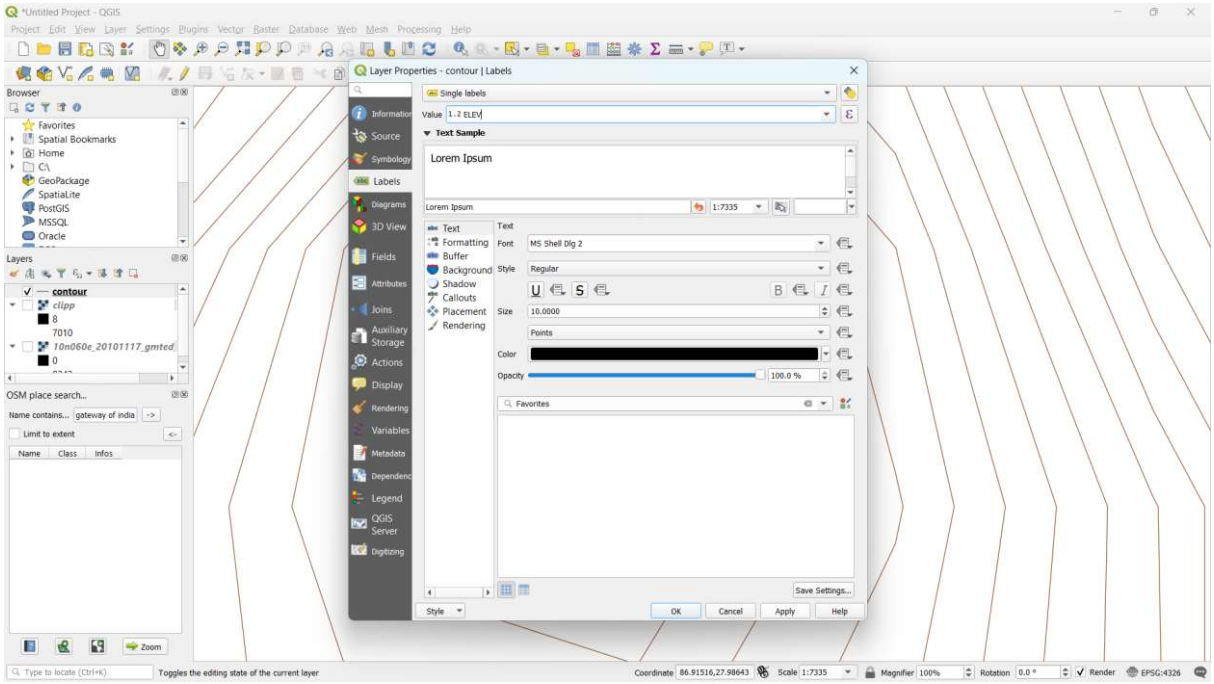


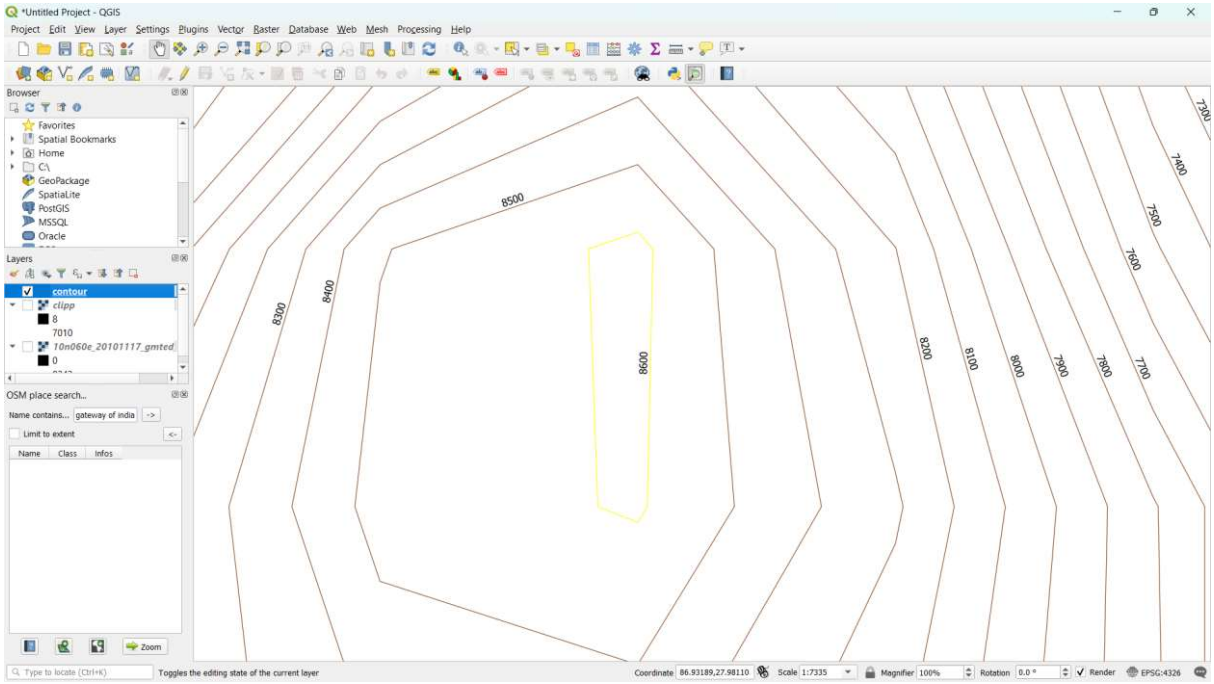
	fid	ID	ELEV
1	14494	14493	8600
2	14493	14492	8500
3	14559	14558	8400
4	15207	15206	8400
5	14558	14557	8300
6	15206	15205	8300
7	14557	14556	8200
8	15205	15204	8200
9	14629	14628	8100
10	15204	15203	8100
11	16501	16500	8100
12	14628	14627	8000
13	15203	15202	8000
14	16543	16542	8000
15	14713	14712	7900
16	15274	15273	7900
17	16542	16541	7900
18	13785	13784	7800
19	14712	14711	7800
20	15273	15272	7800
21	16541	16540	7800
22	10228	10227	7700
23	13784	13783	7700
24	14711	14710	7700
25	15272	15271	7700
26	16540	16539	7700

The point with highest elevation is highlighted.

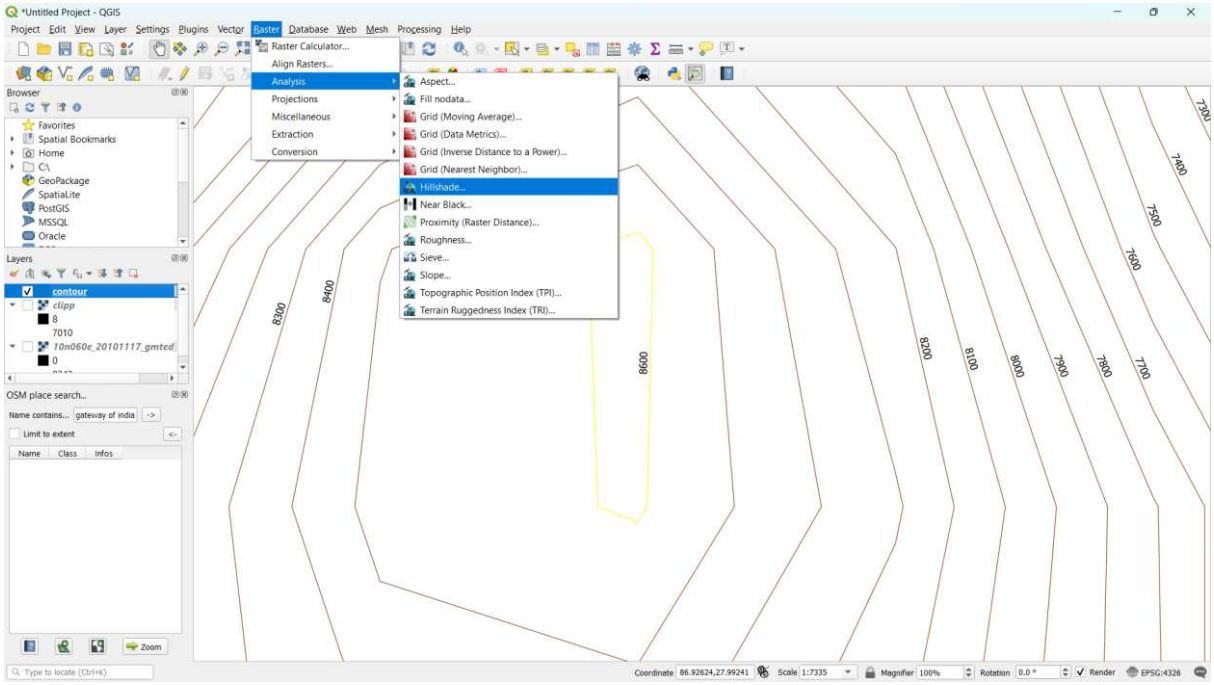


Step 11 – To get labels, open layer properties in that open the layer menu then select the following options and then hit apply.





Step 12 – Raster > Analysis > Hill Shade.



Step 13 – Set the following parameters and hit run.