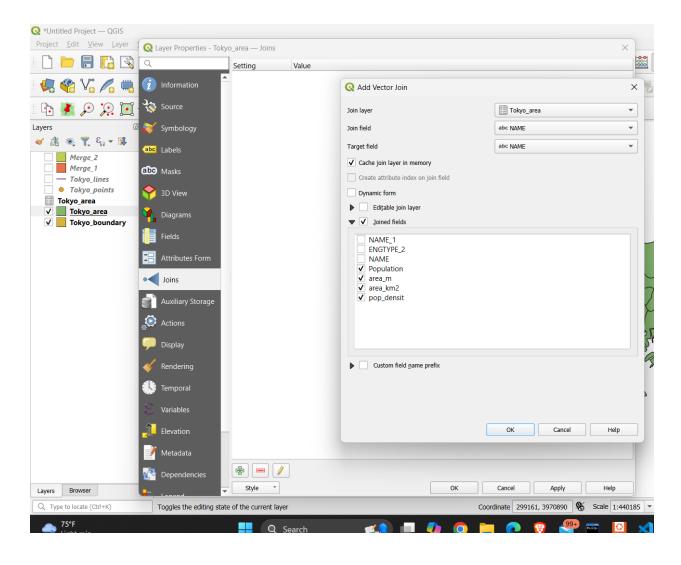
LAB-2

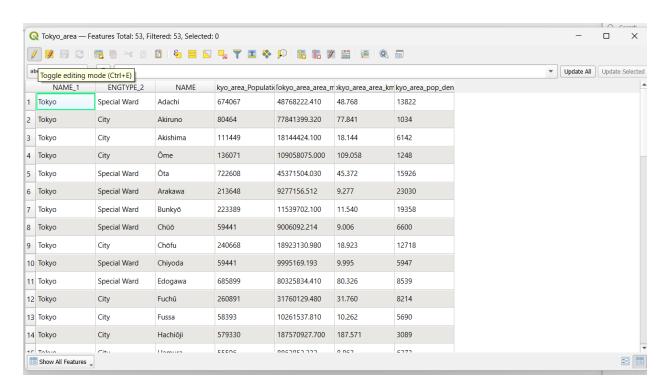
2021101107-sajja

JOIN/UNJOIN EXCEL FILE TO ATTRIBUTE TABLE

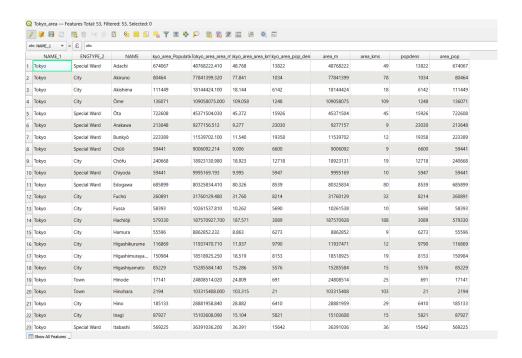
We will go to tokyo_area.shp \rightarrow properties \rightarrow joins \rightarrow add join \rightarrow change join layer to 'tokyo_area" \rightarrow join field and target field as "NAME" \rightarrow select 'joined fields" \rightarrow select your desired columns \rightarrow select OK.



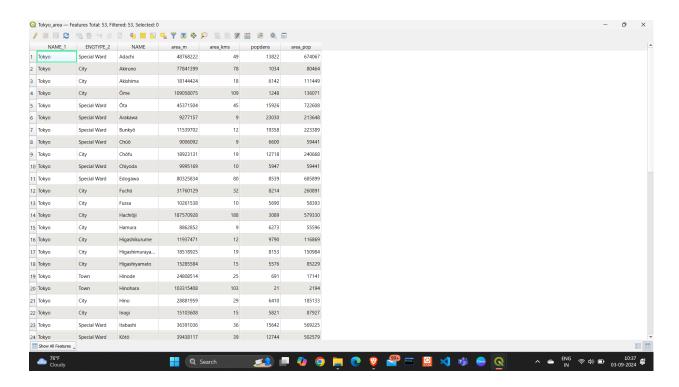
For seeing the desired rows even when the shp file isnt joined with the csv file, we will choose tokyo area shp file \rightarrow attribute table \rightarrow toggle editing \rightarrow open field calculator \rightarrow write the row name acc to values \rightarrow go to fields and values \rightarrow choose the column you want to replicate \rightarrow select ok \rightarrow once all 4 columns are copied then select pencil icon and save.



We have done the above replication method for all the four columns that we joined in the first step from the csv file. Now the attribute table for the Tokyo_area.shp looks like the image below:



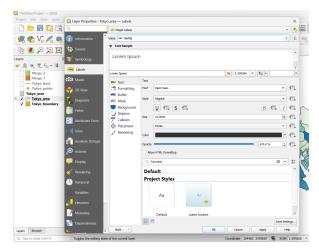
Now we will again go to properties of tokyo_area.shp file and remove the above join with csv file. Then we open the attribute table of the same shapefile to find only the columns we had replicated in the previous step(shown below):



LAB-2

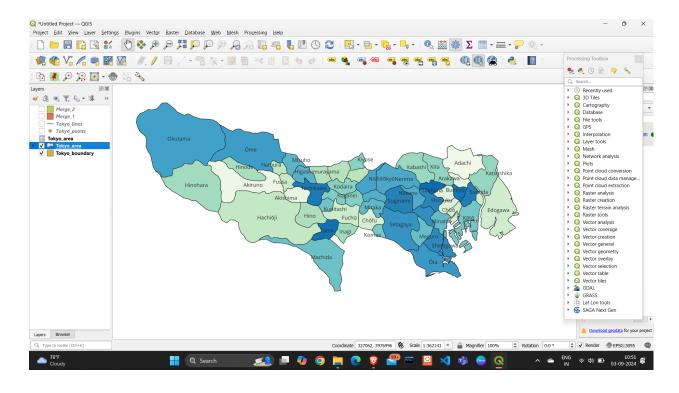
CLASSIFICATION AND LABELLING





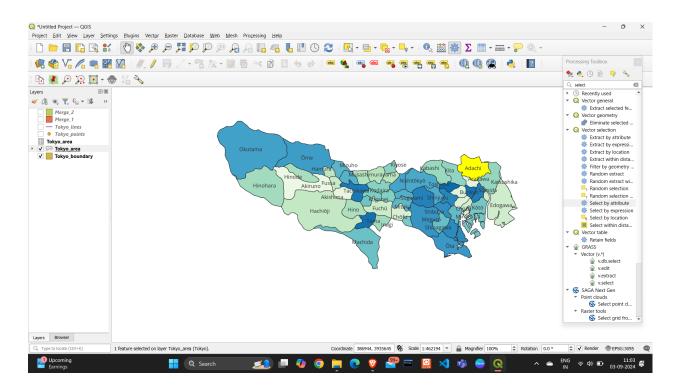
PERFORM ATTRIBUTE OPERATIONS QUERIES FOR SELECTION & EXTRACTION

After we have classified and labelled, our shapefile for Tokyo looks like the following:

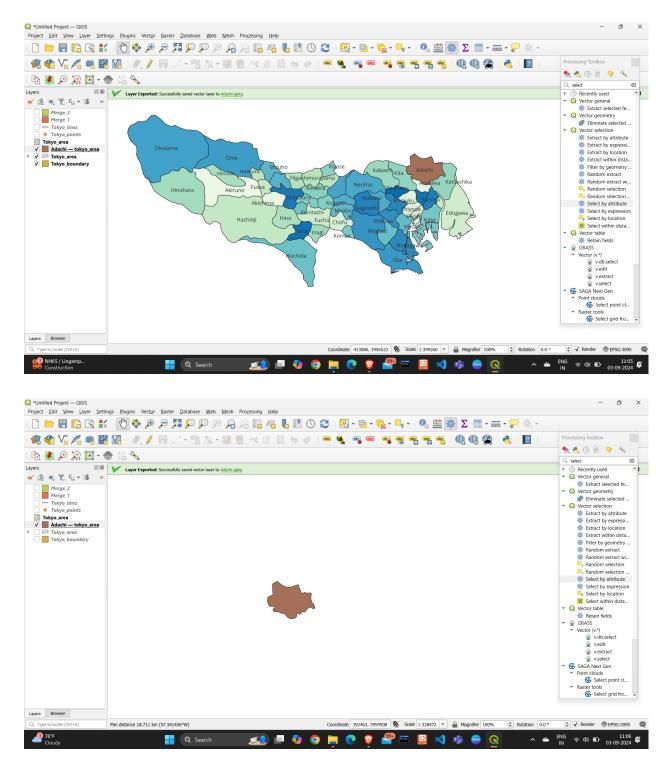


LAB-2

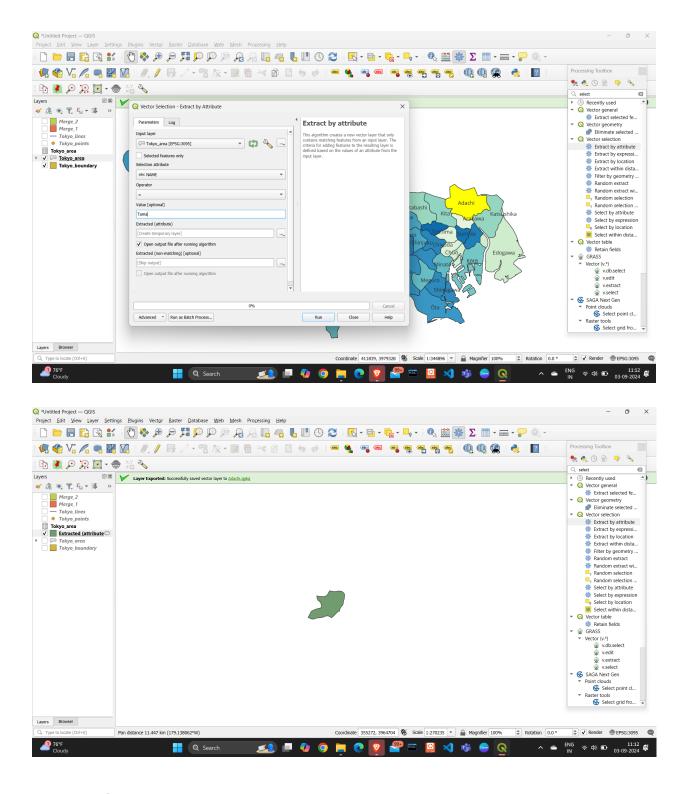
Go to processing \rightarrow toolbox \rightarrow choose '<u>select by attribute</u>' \rightarrow selection attribute will be 'name' \rightarrow choose value as your city of choice (case sensitive). \rightarrow i chose adachi \rightarrow Adachi is highlighted in yellow colour after we have done the selection



After selection, i can export/save this selected area separately (shown in brown colour):

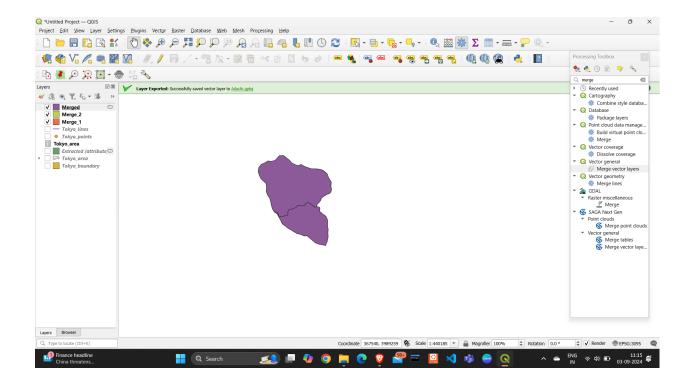


EXTRACT BY ATTRIBUTE



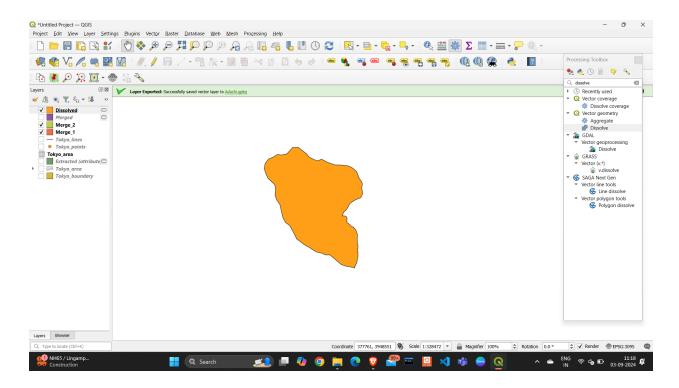
MERGE

Go to processing → toolbox → merge vector layers → choose merge1 and merge2 as input files → run:



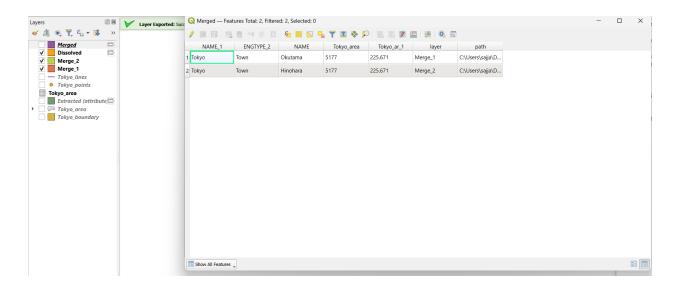
DISSOLVE

Go to processing \rightarrow toolbox \rightarrow search dissolve \rightarrow choose input layer as the final merge file 'merged' \rightarrow run:

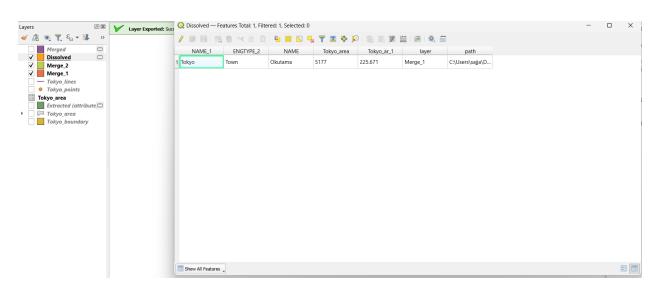


Attribute table before and after dissolve:

1. When we merged both the areas



2. On dissolving and creating one area



LAB-2