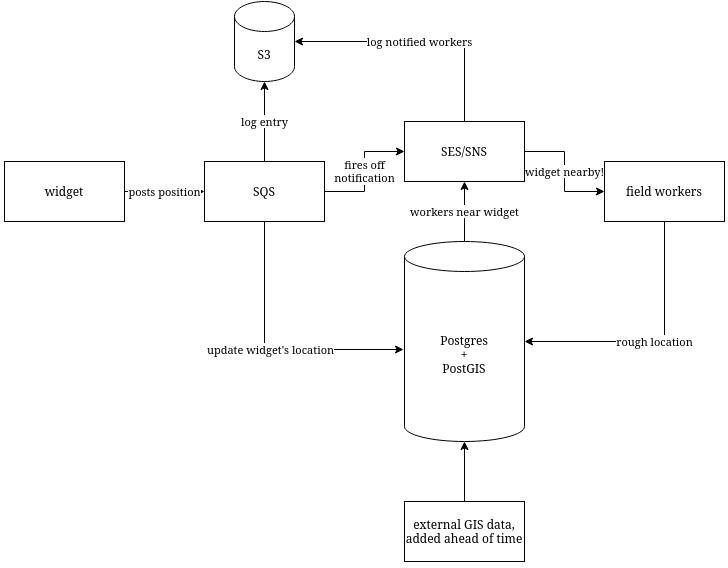
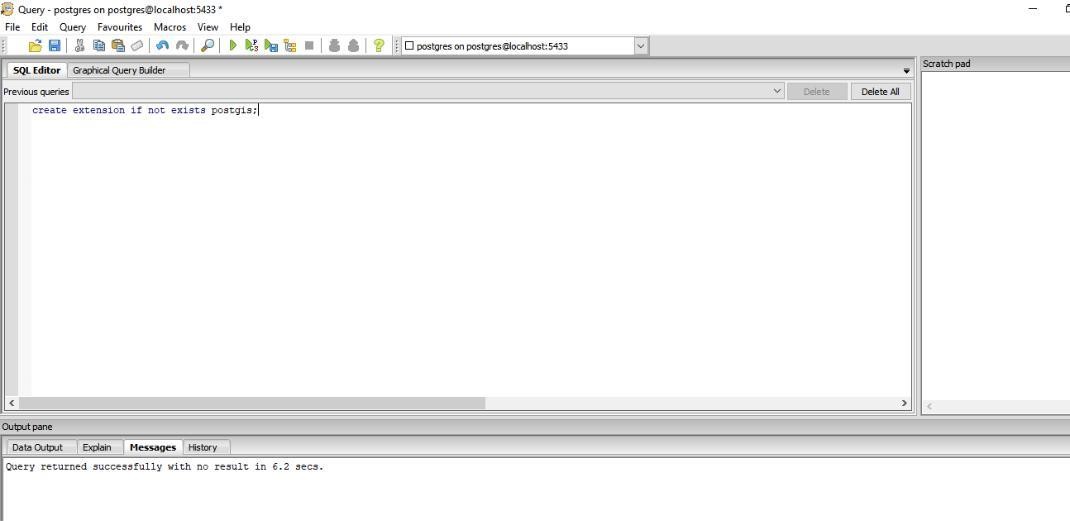
**System Integration Comp851. Fall 2020 Project** – kp1199(Krishna)

Topic:2

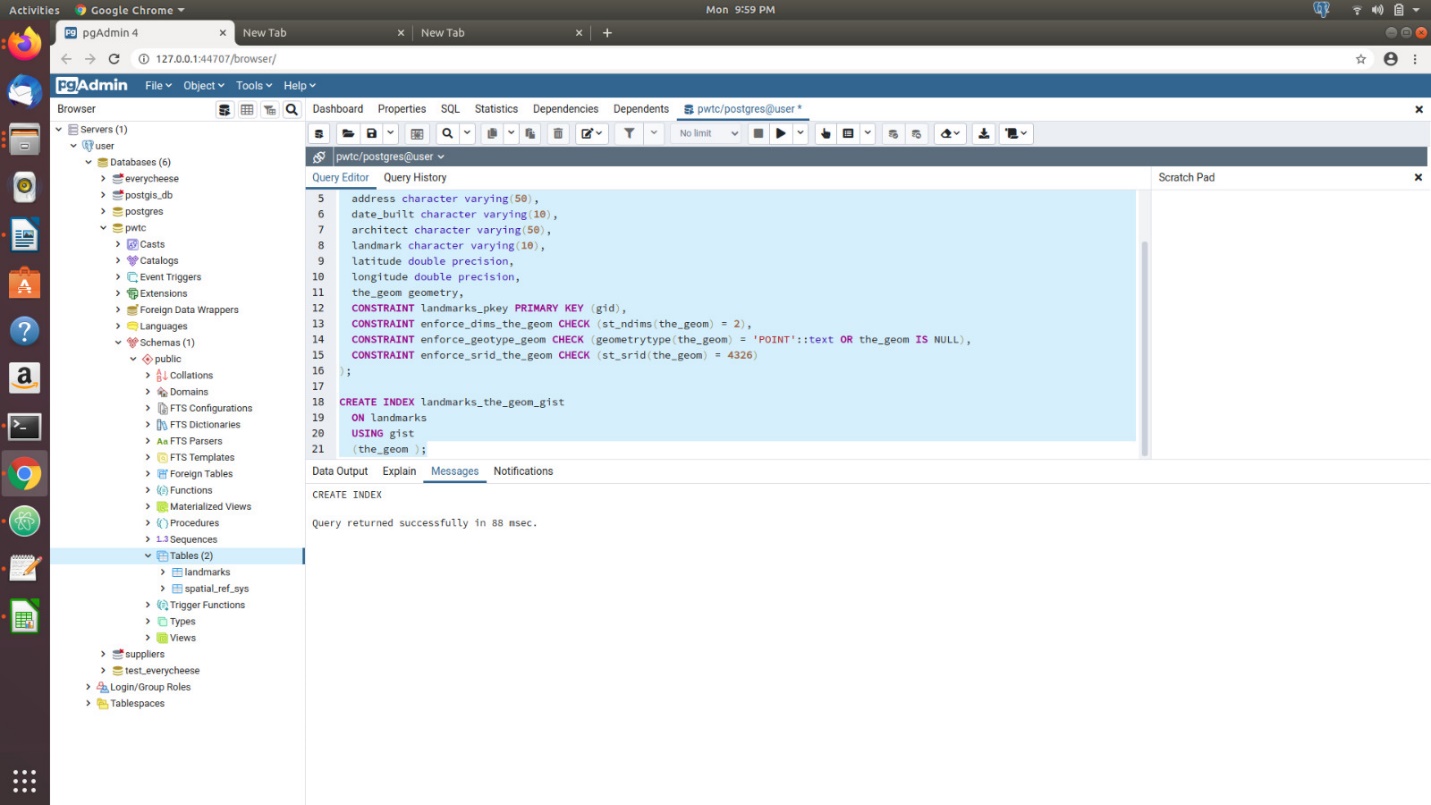
I have chosen the second integration part for the project: The PTWC Widgets will be deployed and communicate their GPS position. For field operations, we would establish a database which can determine the proximity of Widgets to county and township locations. For this, we would need to deploy a GIS database to display city latitude / longitude positions.

Process flow

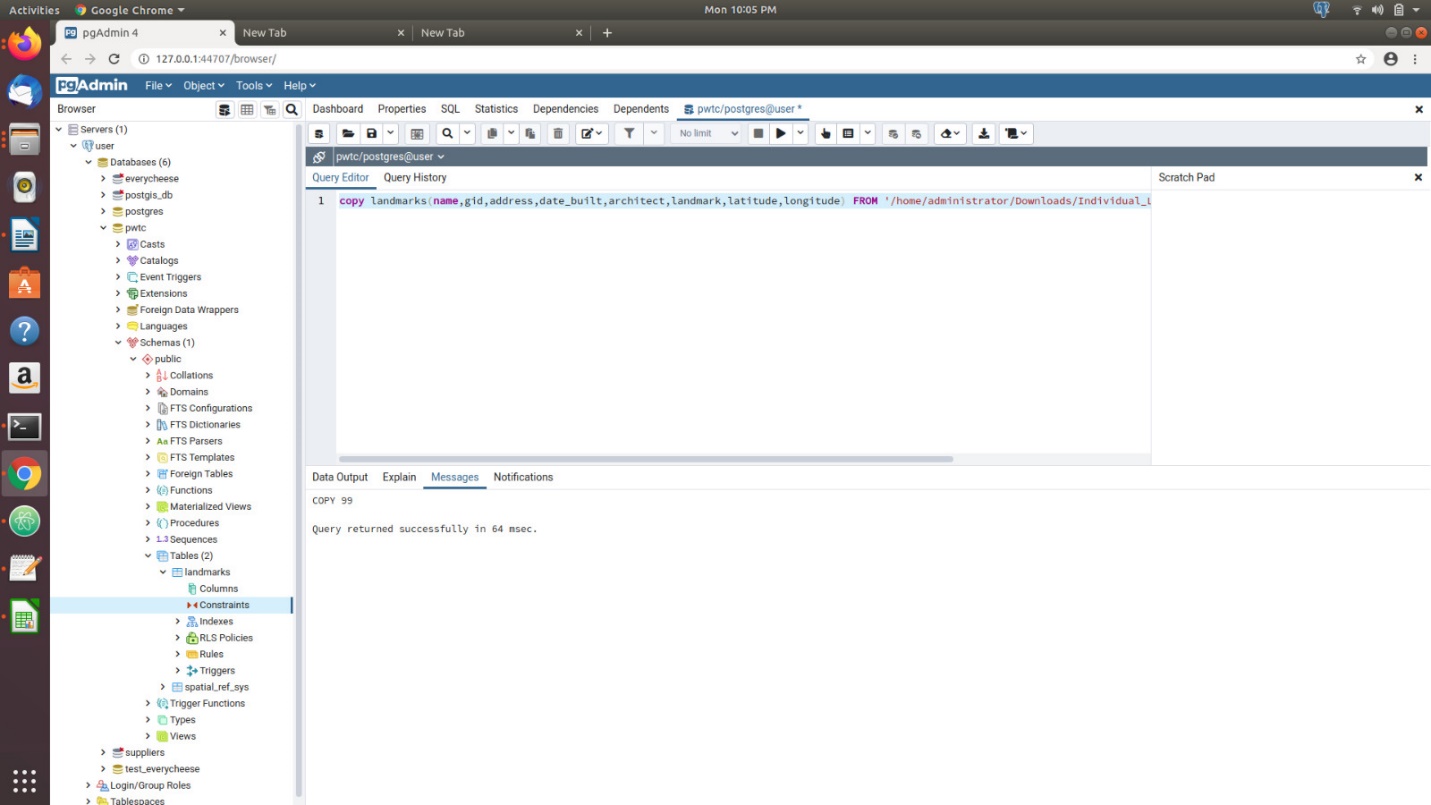
**Implementation using POSTGIS**

**STEP1: Creating extension**

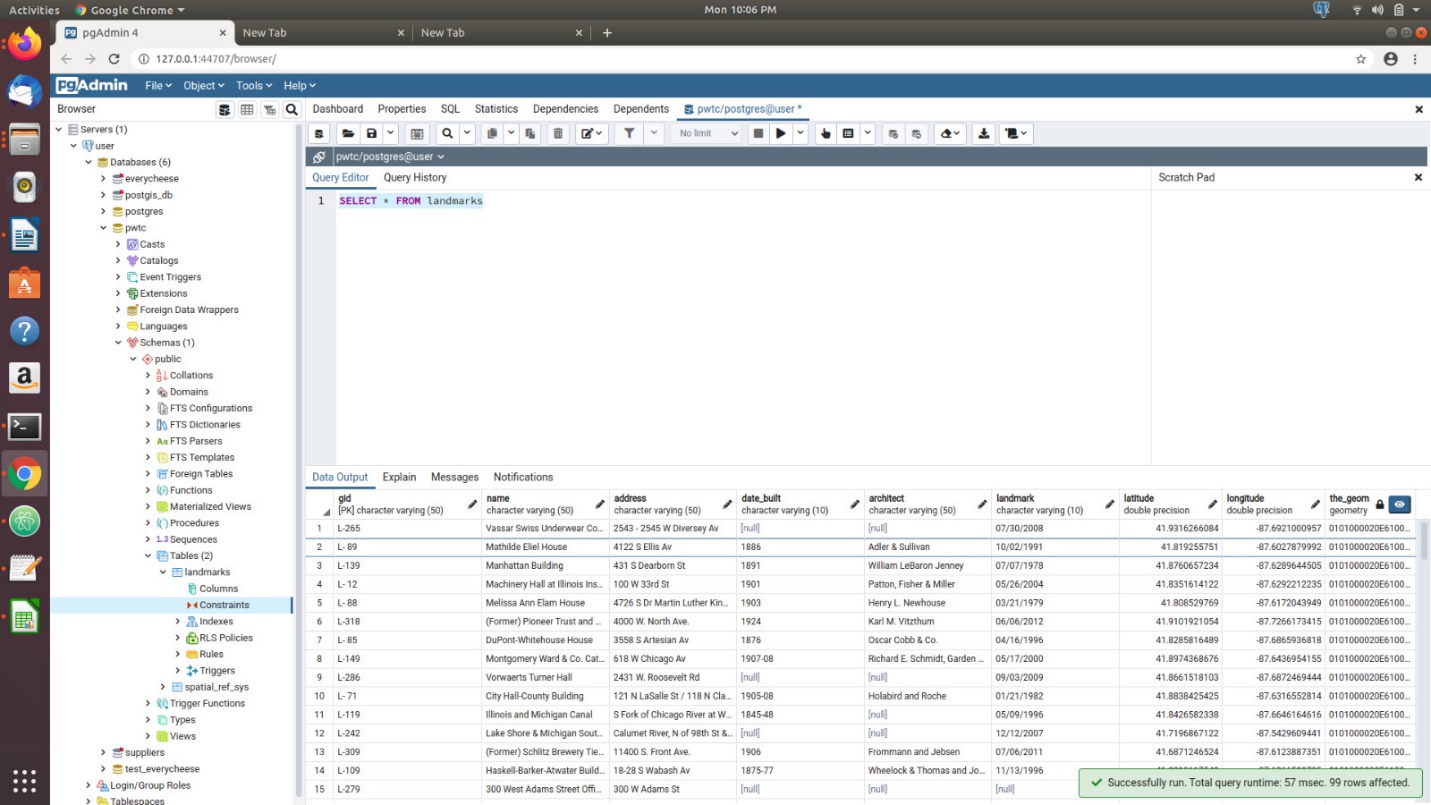
STEP 2: Creating table



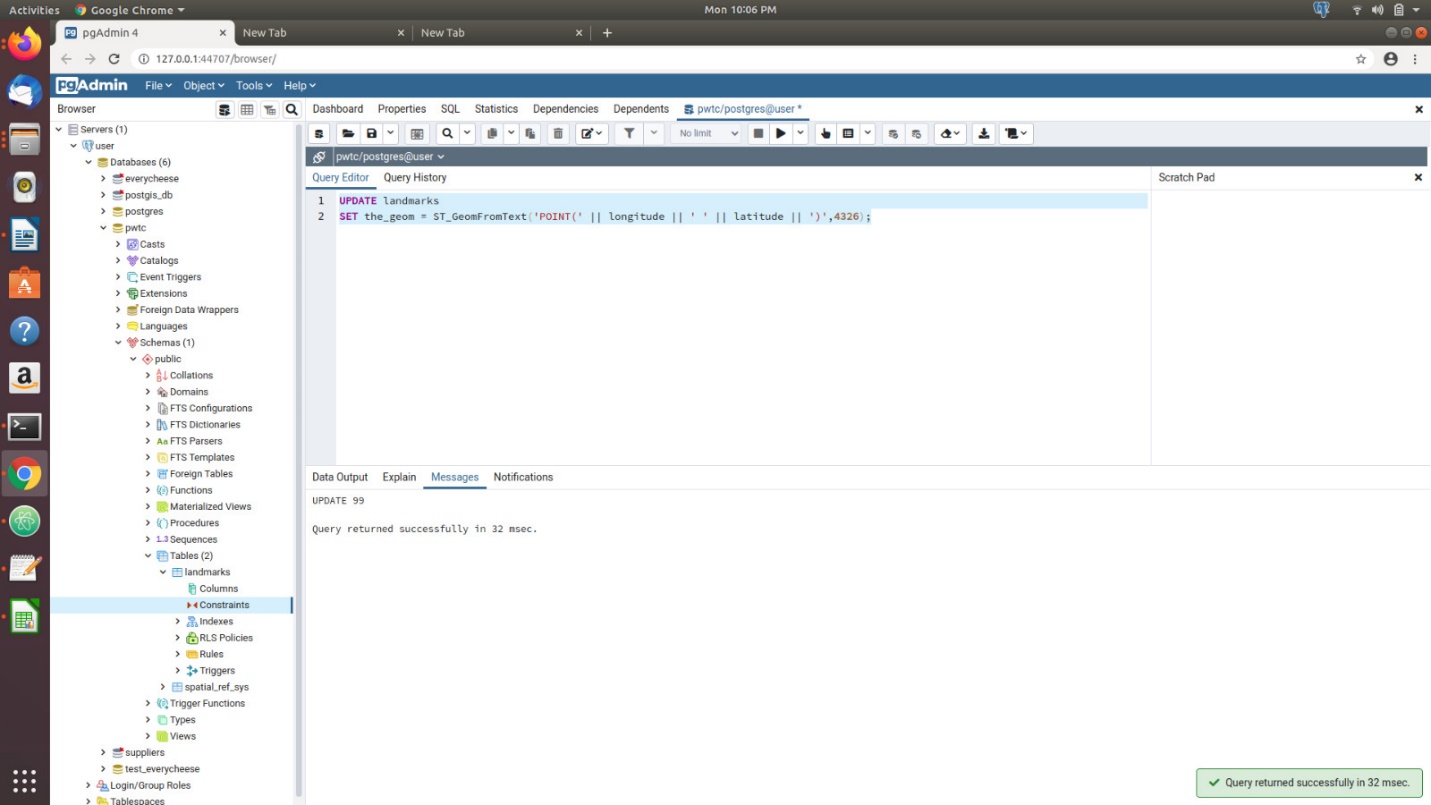
STEP 3: Importing data from CSV file



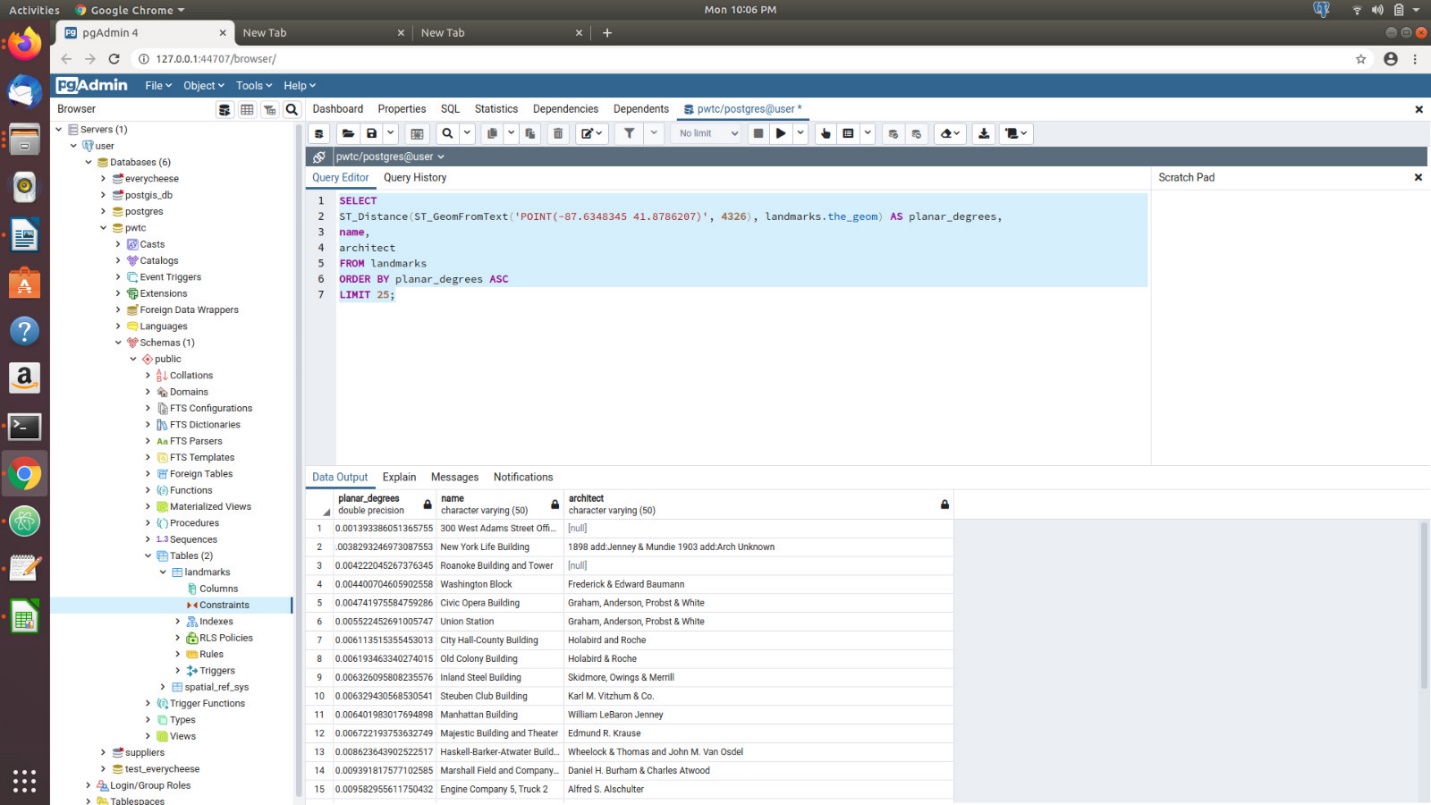
STEP 4: Displaying landmarks



STEP 5: Convert LAT and LON readable by POSTGIS



STEP 6: POSTGIS to display nearest 25 locations



Displaying the LAT and LON in terminal using python

