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# Reg No. 6028

# BESE-4A

# Lab 5

## Introduction:

In this lab we have to create an application to populate a database from the provided Geo City Lite CSV file and allow the users to search for cities near a particular lat/long or another city. The application will start by loading the data from the csv file into the database, if it has not yet been loaded. Then the application allow the user to enter the total number of cities to search for and either lat/long or a city name. For lat/long I applied the nearby search to locate cities near the lat/long from the DB. In case of city name, I used reverse search in the db to find out the lat/long for that city, before applying the same nearby search algorithm.

## How to Run:

To run code open Eclipse/Netbeans and add java project. Copy given classes.

* Compile Lab5 class. It will ask you to enter Option.

Enter 1 to search with city name. It will search that city’s latitude and longitude from db.

Enter 2 to search with latitude/longitude. It will search all cities near that latitude longitude.

* To run test cases run JdbcClassTest.

## Github link:

https://github.com/Muhammad-Shehzad/Ap\_Lab5\_map