Problem breakdown:

#1. parse csv file and extract data

#2. choose correct data structure to store data

#3. calculate distance b/w 2 points using the Great circle distance formula

Introduction:

This lab has been created in python.

The first part requires students to read data from a CSV file which was done using csv.reader function which returns a list of tuples from the csv file. This is then stored in variables and added to a dictionary with latitude and longitude as key and city name as value. The distance between cities is calculated using the great circle distance formula

Github link:

https://github.com/sohaibtariq/CitySearch