#include <iostream>

#include <map>

#include <string>

#include <utility>

using namespace std;

int main()

{

    typedef map<string,int> mapType;

    mapType populationMap;

    populationMap.insert(pair<string, float>("Maharashtra", 125));

    populationMap.insert(pair<string, float>("Uttar Pradesh", 225));

    populationMap.insert(mapType::value\_type("Bihar", 120));

    populationMap.insert(make\_pair("Madhya Pradesh", 90));

    populationMap.insert(make\_pair("Tamil Nadu", 80));

    populationMap.insert(make\_pair("Rajasthan", 78));

    populationMap.insert(make\_pair("Andhra Pradesh", 53));

    populationMap.insert(make\_pair("Odisha", 47));

    populationMap.insert(make\_pair("Kerala", 38));

    populationMap.insert(make\_pair("Telangana", 37));

    populationMap.insert(make\_pair("Assam", 35));

    populationMap.insert(make\_pair("Jharkhand", 38));

    populationMap.insert(make\_pair("Karnataka", 68));

    populationMap.insert(make\_pair("Gujarat", 70));

    populationMap.insert(make\_pair("Punjab", 31));

    populationMap.insert(make\_pair("Chhattisgarh", 30));

    populationMap.insert(make\_pair("Haryana", 29));

    mapType::iterator iter = --populationMap.end();

    populationMap.erase(iter);

    cout << "Total state and UT of India with Size of populationMap: " << populationMap.size() << '\n';

    for (iter = populationMap.begin(); iter != populationMap.end(); ++iter)

    {

     cout << iter->first <<":" << iter->second << " million\n";

    }

    char c;

    do

    {

        string state;

        cout<<"\nEnter that state you want to know the population of: ";

        cin>>state;

        iter = populationMap.find(state);

        if( iter != populationMap.end() )

            cout << state <<"'s populations is "

                << iter->second << " million\n";

        else

            cout << "State is not in populationMap" << '\n';

        cout<<"Do you wish to continue?(y/n):";

        cin>>c;

    }while(c=='y'||c=='Y');

    populationMap.clear();

    return 0;

}

OUTPUT:

Total state and UT of India with Size of populationMap: 16

Andhra Pradesh:53 million

Assam:35 million

Bihar:120 million

Chhattisgarh:30 million

Gujarat:70 million

Haryana:29 million

Jharkhand:38 million

Karnataka:68 million

Kerala:38 million

Madhya Pradesh:90 million

Maharashtra:125 million

Odisha:47 million

Punjab:31 million

Rajasthan:78 million

Tamil Nadu:80 million

Telangana:37 million

Enter that state you want to know the population of: Haryana

Haryana's populations is 29 million

Do you wish to continue?(y/n):n

PS C:\cpp>