#include <iostream>

#include <map>

#include <string>

using namespace std;

int main()

{

    typedef map<string, float> mapType;

    mapType populationMap;

    populationMap.insert(pair<string, float>("Maharashtra", 11.4));

    populationMap.insert(pair<string, float>("Gujarat", 6.4));

    populationMap.insert(pair<string,float>("Bihar", 9));

    populationMap.insert(pair<string,float>("kernataka", 8.8));

    populationMap.insert(pair<string,float>("Arunachal pradesh", 3.5));

    populationMap.insert(pair<string,float>("Haryana", 3.1));

    mapType::iterator iter ;

    cout << "Size of populationMap: " << populationMap.size() << '\n';

    /\*for (iter = populationMap.begin(); iter != populationMap.end(); ++iter) {

        cout << iter->first <<": "

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

    }\*/

    string state;

    cout<<"\nEnetr the name of state :";

    cin>>state;

    iter=populationMap.find(state);

    if( iter != populationMap.end() )

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

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

    else

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

    populationMap.clear();

}