**ASSIGNMENT 7 43**

#include<iostream>

#include<map>

#include<string>

using namespace std;

int main()

{

typedef map<string,int> mapType;

mapType populationMap;

populationMap.insert(pair<string, int>("Maharashtra", 7026357));

populationMap.insert(pair<string, int>("Rajasthan", 6578936));

populationMap.insert(pair<string, int>("Karanataka", 6678993));

populationMap.insert(pair<string, int>("Punjab", 5789032));

populationMap.insert(pair<string, int>("West Bengal", 6676291));

mapType::iterator iter;

cout<<"========Population of states in India==========\n";

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

string state\_name;

cout<<"\n Enter name of the state :\n ";

cin>>state\_name;

iter = populationMap.find(state\_name);

if(iter != populationMap.end())

cout<<state\_name<<"'s population is "<<iter->second;

else

cout<<"Key is not in populationMap"<<"\n"; populationMap.clear();

}

**OUTPUT**

========Population of states in India==========

Size of populationMap : 5

Enter name of the state : Karanataka

Karanataka's population is 6678993