# Practical no : 12

**Title:-** Write C++ program to generate fractal patterns by using Koch curves.

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# Input:

#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 :"<<endl; cin>>state\_name;

iter = populationMap.find(state\_name); if( iter!= populationMap.end() )

{

}

else

{

}

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

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

return 0;

}

**Output:**

