

PRACTICAL 7

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```
#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 :";
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 populationMap"<<"\n";
populationMap.clear();
}
```

```
d_comp_sli_17@d-comp-sli-17: ~  
d_comp_sli_17@d-comp-sli-17:~$ g++ map.cpp -o run  
d_comp_sli_17@d-comp-sli-17:~$ ./run  
=====Population of states in India=====
```

Size of populationMap5

Enter name of the state :Punjab

Punjab 's population is 5789032d_comp_sli_17@d-comp-sli-17:~\$