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Class:SE1

Batch:G1

Assignment No.12

Code:

```
#include<iostream>
#include<map>
#include<algorithm>
using namespace std;

int main(){

    map<string,int> m1;

    m1.insert(pair<string,int>("Maharashtra",50000));
    m1.insert(pair<string,int>("Gujarat",40000));
    m1.insert(pair<string,int>("Uttar Pradesh",70000));
    m1.insert(pair<string,int>("Rajasthan",60000));
    m1.insert(pair<string,int>("Karnataka",30000));

    map<string,int>::iterator p;
    cout<<"States\n1)Maharashtra\n2)Gujarat\n3)Uttar
Pradesh\n4)Rajasthan\n5)Karnataka\n";
    cout<<"Enter the name of the state\n";
    string i;
    cin>>i;
    p=m1.find(i);
    if(p==m1.end()){
        cout<<"You entered a state which is not registered\n";
    }
    else{
        cout<<"State: "<<p->first<<" Population: "<<p->second<<endl;
    }
    return 0;
}
```

Output:

```
States
1)Maharashtra
2)Gujarat
3)Uttar Pradesh
4)Rajasthan
5)Karnataka
Enter the name of the state
Maharashtra
State: Maharashtra Population: 50000
PS C:\Users\Amay\Documents> █
```