#include <iostream>

#include<map>

#include<cstring>

using namespace std;

int main() {

map<string,int> m;

//1.Insert

m.insert(make\_pair("Mango",100));

pair<string,int> p;

p.first="Apple";

p.second=120;

m.insert(p);

m["Banana"]=20;

//2.Search

string fruit;

cin>>fruit;

//update the price

m[fruit]+=22;

auto it=m.find(fruit);

if(it!=m.end()){

cout<<"Price of "<<fruit<<" is "<<m[fruit]<<" rupees"<<endl;

}

else{

cout<<"Fruit is not present"<<endl;

}

//3. Erase

m.erase(fruit);

//another way to find a particular map

//it stores unique keys only once

if(m.count(fruit)){

cout<<"Price is "<<m[fruit]<<endl;

}

else{

cout<<"Couldn't find"<<endl;

}

m["Litchi"]=60;

m["Pineapple"]=80;

//iterate over all the key value pairs

for(auto it=m.begin();it!=m.end();it++){

cout<<it->first<<" and "<<it->second<<endl;

}

cout<<endl;

for(auto x:m){

cout<<x.first<<" : "<<x.second<<endl;

}

return 0;

}

Output-

Price of Banana is 42 rupees

Couldn't find

Apple and 120

Litchi and 60

Mango and 100

Pineapple and 80

Apple : 120

Litchi : 60

Mango : 100

Pineapple : 80