// Insert, Erase, Search and display contents using STL map.

#include <iostream>

#include <string>

#include<map>

using namespace std;

int main()

{

map<char,int> mp;

for(int i=97;i<107;i++)

mp.insert(pair<char,int>(i,i));

mp.erase('a');

mp.insert(pair<char,int>('a',77)) ;

map<char,int>::iterator it;

cout<<"map contents\n";

for (it=mp.begin();it != mp.end();it++)

cout<<(\*it).first<<":"<<(\*it).second<<endl;

cout<<"size : "<<mp.size()<<endl;

char finditem='d';

if (mp.count(finditem) !=0)

it=mp.find(finditem);

cout<<"searching item -\'"<<finditem<<"\'in the map\n";

cout<<"value for the searched item is : ";

cout<<(\*it).second<<endl;

return 0;

}