#include <iostream>

#include<list>

using namespace std;

void display(list<int> &lst)

{

list<int>::iterator it;

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

{

cout<<\*it<<" ";

}

}

int main() {

list<int>list1;

list1.push\_back(6);

list1.push\_back(2);

list1.push\_back(88);

list1.push\_back(11);

list1.push\_back(23);

cout<<"displaying the given list : "<<endl;

display(list1);

// second method of display

list1.pop\_back(); //delet last one element

list1.sort();

cout<<"\nprint by iterator & sorted list1 by simple method :\n ";

list<int>::iterator it;

it=list1.begin();

cout<<\*it<<" ";

it++;

cout<<\*it<<" ";

it++;

cout<<\*it<<" ";

it++;

cout<<\*it<<" ";

it++;

cout<<\*it<<" ";

it++;

cout<<"\nsize of list1 by using size function :"<<list1.size()<<endl;

cout<<"resizing the list1 :"<<endl;

list1.resize(4);

list1.resize(8,100);

list1.resize(12);

display(list1);

return 0;

}

/\*

displaying the given list :

6 2 88 11 23

print by iterator & sorted list1 by simple method :

2 6 11 88 4

size of list1 by using size function :4

resizing the list1 :

2 6 11 88 100 100 100 100 0 0 0 0

\*/