#include <iostream>

#include <vector>

#include <string>

#include <cstdlib>

using namespace std;

int main()

{

vector<int> ss;

vector<int>::iterator it;

int choice, item;

while (1)

{

cout<<"1.Insert Element into the Vector"<<endl;

cout<<"2.Delete Last Element of the Vector"<<endl;

cout<<"3.Size of the Vector"<<endl;

cout<<"4.Display by Index"<<endl;

cout<<"5.Dislplay by Iterator"<<endl;

cout<<"6.Clear the Vector"<<endl;

cout<<"7.Exit"<<endl;

cout<<"Enter your Choice: ";

cin>>choice;

switch(choice)

{

case 1:

cout<<"Enter value to be inserted: ";

cin>>item;

ss.push\_back(item);

break;

case 2:

cout<<"Delete Last Element Inserted:"<<endl;

ss.pop\_back();

break;

case 3:

cout<<"Size of Vector: ";

cout<<ss.size()<<endl;

break;

case 4:

cout<<"Displaying Vector by Index: ";

for (int i = 0; i < ss.size(); i++)

{

cout<<ss[i]<<" ";

}

cout<<endl;

break;

case 5:

cout<<"Displaying Vector by Iterator: ";

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

{

cout<<\*it<<" ";

}

cout<<endl;

break;

case 6:

ss.clear();

cout<<"Vector Cleared"<<endl;

break;

case 7:

exit(1);

default:

cout<<"Wrong Choice"<<endl;

}

}

return 0;

}