#include<iostream>

using namespace std;

int main(){

cout<<"insert:enter 1"<<endl;

cout<<"delet:enter 2"<<endl;

cout<<"display:enter 3"<<endl;

cout<<"exit:enter 0"<<endl;

int size=0;

int x[5]={};

int i;

while(true)

{

cout<<"enter your choice"<<endl;

cin>>i;

if(i==0)

{

cout<<"exiting loop"<<endl;

break;

}

else

{

switch(i)

{

case 1:

{

cout<<"enter a value"<<endl;

cin>>x[size];

size++;

break;

}

case 2:

{

cout<<"enter a value"<<endl;

cin>>x[size];

size--;

break;

}

case 3:

{

for(int i=0;i<5;i++)

{

cout<<x[i]<<endl;

}

break;

}

default:

cout<<"invalid choice";

break;

}

}

cout<<"insert:enter 1"<<endl;

cout<<"delet:enter 2"<<endl;

cout<<"display:enter 3"<<endl;

cout<<"exit:enter 0"<<endl;

}

return 0;

}