#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;

}