#include<iostream.h>

#include<conio.h>

void main()

{ int a[100],n,pos,val,flag;

char ch;

cout<<"enter the size: ";

cin>>n;

cout<<endl;

cout<<"enter the elements: ";

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

cin>>a[i];

cout<<"a.enter the given elemnet in a given position";

cout<<"\nb.delete an element for the array";

cout<<"\nc.search for an element";

cout<<endl;

cout<<"enter your choice: ";

cin>>ch;

if(ch=='a')

{

cout<<"enter the position and value: ";

cin>>pos>>val;

for(int j=n;j>=pos;j--)

a[j]=a[j-1];

n++;

a[pos-1]=val;

cout<<"the new array is: ";

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

cout<<" "<<a[i];

}

if(ch=='b')

{

cout<<"enter the value to be deleted: ";

cin>>val;

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

{if(val==a[i])

{pos=i;

flag=1;

break;

}

}

if(flag==1)

{for(int i=pos;i<n;i++)

a[i]=a[i+1];

n--;

cout<<" the new array is: ";

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

cout<<" "<<a[i];

}

else

cout<<"value not found";

}

if(ch=='c')

{

cout<<"enter the val to be searched: ";

cin>>val;

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

{if(a[i]==val)

cout<<"\nvalue found is the position "<<(i+1);

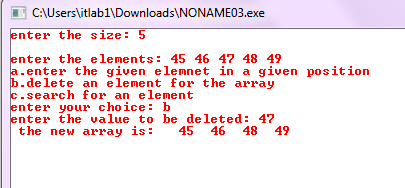
}

}

getch();

}

**Output**

****