#include<iostream>

#include<stdio.h>

#include<conio.h>

using namespace std;

main()

{

int array[15];

int no\_el;

cout<<"Enter the no of element :";

cin>>no\_el;

for(int i=0;i<no\_el;i++)

{

cout<<"Enter the element : ";

cin>>array[i];

}

while(1)

{

cout<<endl<<"1. Append";

cout<<endl<<"2. Insert";

cout<<endl<<"3. delete by value";

cout<<endl<<"4. edit";

cout<<endl<<"5. display";

cout<<endl<<"6. search";

cout<<endl<<"7. exit";

cout<<endl<<"Enter your choice : ";

int choice;

cin>>choice;

switch(choice)

{

case 1:

cout<<"Enter the new element : ";

int new\_el;

cin>>new\_el;

array[no\_el]=new\_el;

no\_el++;

break;

case 2:

cout<<"Enter the position at which you want to insert : ";

int pos;

cin>>pos;

cout<<"Enter the new element : ";

cin>>new\_el;

pos--;

for(int i=no\_el-1;i>=pos;i--)

array[i+1]=array[i];

array[pos]=new\_el;

no\_el++;

break;

case 3:

cout<<"Enter the value to be search : ";

int key;

cin>>key;

for(pos=0;pos<no\_el;pos++)

{

if(array[pos]==key)

break;

}

if(pos==no\_el)

{

cout<<"Search key not found";

break;

}

for(int i=pos;i<no\_el;i++)

array[i]=array[i+1];

no\_el--;

break;

case 4:

cout<<"Enter the position to be edit : ";

cin>>pos;

cout<<"Enter the new value for old position : ";

cin>>array[pos-1];

break;

case 5:

cout<<endl;

for(int i=0;i<no\_el;i++)

cout<<endl<<"The element is : "<<array[i];

break;

case 6:

cout<<"Enter the value to be search : ";

cin>>key;

for(pos=0;pos<no\_el;pos++)

{

if(array[pos]==key)

break;

}

if(pos==no\_el)

{

cout<<"Sear d";

break;

}

cout<<"Search key found at : "<<pos+1;

break;

case 7:

return(0);

break;

}

getch();

}

}