**//Program to search binary search**

**// [your name] Class:XII Q**

#include<iostream.h>

#include<conio.h>

void main()

{

clrscr();

int a[10], n, i, x, beg, end, mid;

cout<<"Enter the number of array elements: "<<endl;

cin>>n;

beg = 0;

end = n-1;

mid = (beg + end)/2;

cout<<"Enter the elements: "<<endl;

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

cin>>a[i];

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

cin>>x;

while(a[mid] !=x && beg<=end)

{

if(a[mid]>x)

end = mid-1;

mid = (beg + end)/2;

}

if(a[mid]==x)

cout<<"Element is present at position: "<<mid+1;

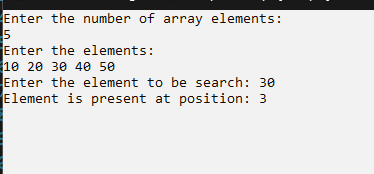
else

cout<<"Search unsuccessful";

getch();

}

**OUTPUT:**

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