

≡ File Edit Search Run Compile Debug Project Options Window Help

[■] ESSAY7.C 1=[■]

```
#include<stdio.h>
int main()
{
int c,first,last,middle,n,search,array[100];
printf("Enter number of elements\n",n);
scanf("%d",&n);
printf("Enter %d integers\n",n);
for(c=0;c<n;c++)
scanf("%d",&array[c]);
printf("Enter value to find\n");
scanf("%d",&search);
first = 0;
last = n-1;
middle =(first+last)/2;
while(first<=last)
{
if(array[middle]<search)
first =middle+1;
else if (array[middle]==search)
{
printf("%d found at location %d.\n",search,middle+1);
```

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ESSAY7.C

1=[0]

```
scanf("%d",&search);
first = 0;
last = n-1;
middle =(first+last)/2;
while(first<=last)
{
if(array[middle]<search)
first =middle+1;
else if (array[middle]==search)
{
printf("%d found at location %d.\n",search,middle+1);
break;
}
else
last=middle-1;
middle=(first+last)/2;
}
if (first>last)
printf("Not found %d is not present in the list.\n",search);
return 0;
}
```

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C:\TURBOC3\BIN>TC

Enter number of elements

7

Enter 7 integers

19

Enter value to find

0 found at location 4.

Enter number of elements

7

Enter 7 integers

18

19

20

21

22

23

24

Enter value to find

23

23 found at location 6.

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