

```
include<stdio.h>
```

```
int main()
```

```
{
```

```
int a[20],i,x,n;
```

```
printf("How many elements?");
```

```
scanf("%d",&n);
```

```
printf("Enter array elements:");
```

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

```
scanf("%d",&a[i]);
```

```
printf("\nEnter element to search:");
```

```
scanf("%d",&x);
```

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

```
if(a[i]==x)
```

```
break;
```

```
if(i<n)
```

```
printf("Element found at index %d",i);
```

```
else
```

```
printf("Element not found");
```

```
return 0;
```

```
}
```

C:\Users\nagir\OneDrive\Documents\linear search method.exe

How many elements?4  
Enter array elements:

1

2

3

4

Enter element to search:2

Element found at index 1

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Process exited after 9.609 seconds with return value 0

Press any key to continue . . .