

/*linear search by using func*/

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

```
void search(int a1[],int n1,int c1);
```

```
int main()
```

```
{
```

```
    int i,n,c;
```

```
    printf("enter the value of n\n");
```

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

```
    int a[n];
```

```
    printf("enter the values of array\n");
```

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

```
    {
```

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

```
    }
```

```
    printf("enter the value for search\n");
```

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

```
    search(a,n,c);
```

```
}
```

```
void search(int a1[],int n1,int c1)
```

```
{
```

```
    int i;
```

```
    for(i=0;i<n1;i++)
```

```
    {
```

```
        if(c1==a1[i])
```

```
            printf("the index of the search value is:%d",i+1);
```

```
    }
```

```
}
```

```
C:\Users\HP\OneDrive\Desktop\New folder (3)\linear search by func.exe
enter the value of n
5
enter the values of array
10
20
30
40
50
enter the value for search
40
the index of the search value is:4
=====
Process exited after 7.614 seconds with return value 0
Press any key to continue . . .
```