

```
1  #include <stdio.h>
2  int linearsearch(int arr[], int length, int eliment)
3  {
4      for (int i = 0; i < length; i++)
5      {
6          if (arr[i] == eliment)
7          {
8              return i;
9          }
10     }
11 }
12 int main()
13 {
14     int arr[] = {1, 52, 26, 3, 5, 7};
15     int length = sizeof(arr)/sizeof(int);
16     int eliment = 3;
17     int ansindex = linearsearch(arr , length, eliment);
18     printf("the eliment %d found at index %d \n ", eliment, ansindex);
19     return 0;
20 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
PS C:\Users\Meetv\OneDrive\Desktop\SEM - 4\DSA\code> cd "c:\Users\Meetv\OneDrive\Desktop\SEM - 4\DSA\code"
} ; if ($?) { .\E4_linear_search }
the eliment 3 found at index 3
```

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

```
int linearsearch(int arr[], int length, int eliment)
```

```
{
```

```
    for (int i = 0; i < length; i++)
```

```
    {
```

```
        if (arr[i] == eliment)
```

```
        {
```

```
            return i;
```

```
        }
```

```
    }
```

```
}
```

```
int main()
{
    int arr[] = {1, 52, 26, 3, 5, 7};
    int length = sizeof(arr)/sizeof(int);
    int element = 3;
    int ansindex = linearsearch(arr , length, element);
    printf("the element %d found at index %d \n ", element, ansindex);
    return 0;
}
```