

linear_search.py x

linear_search.py > ...

```
1 def linear_search(arr, target):
2     for index, element in enumerate(arr):
3         if element == target:
4             return index
5     return -1
6
7 # Predefined array
8 array = [10, 23, 45, 70, 11, 15]
9 print(array)
10
11 # Taking input from user
12 target = int(input("Enter the target element to search for: "))
13
14 # Performing linear search
15 result = linear_search(array, target)
16
17 # Displaying the result
18 if result != -1:
19     print(f"Element found at index: {result}")
20 else:
21     print("Element not found in the array.")
22
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\5thsem\DAA\practicals> & C:/Users/YASH/AppData/Local/Programs/Python/Python311/pyth
[10, 23, 45, 70, 11, 15]
Enter the target element to search for: 23
Element found at index: 1
PS E:\5thsem\DAA\practicals> | |
```