

## EXERCISE-74 ; Sequential Search

PROGRAM;

```
def sequential_search(arr, target):  
    for i in range(len(arr)):  
        if arr[i] == target:  
            return i  
    return -1  
  
arr = [64, 25, 12, 22, 11]  
target = 12  
result = sequential_search(arr, target)  
if result != -1:  
    print(f"Target {target} found at index {result}")  
else:  
    print(f"Target {target} not found")
```

OUTPUT;

```
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Target 12 found at index 2  
|
```

TIME COMPLEXITY ;  $O(n)$ ,