74.WRITE A PYTHON PROGRAM OF SEQUENTIAL SEARCH

PROGRAM:-

```python
def sequential_search(arr, target):
    # Traverse through all array elements
    for i in range(len(arr)):
        # If the current element is the target, return its index
        if arr[i] == target:
            return i
    # If the target is not found, return -1
    return -1

# Example usage
if __name__ == "__main__":
    # Sample array
    array = [10, 23, 45, 70, 11, 15]
    target = 70

    print("Array:")
    print(array)
    print(f"Target: {target}")

    result = sequential_search(array, target)

    if result != -1:
        print(f"Element {target} is present at index {result}.")
    else:
        print(f"Element {target} is not present in the array.")
```
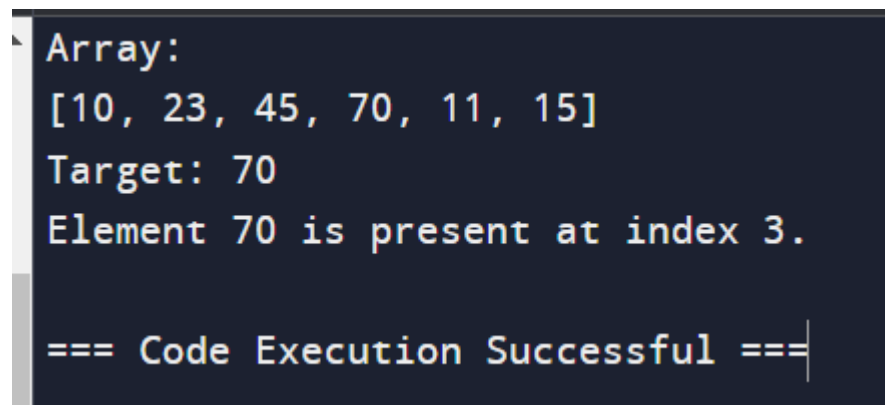
OUTPUT:-

```
Array:
[10, 23, 45, 70, 11, 15]
Target: 70
Element 70 is present at index 3.

=== Code Execution Successful ===
```

TIME COMPLEXITY:-O(n)