

74.Sequential Search

AIM: Python program to Search an element by using sequential search

PROGRAM:

```
def sequential_search(arr, x):  
    for i in range(len(arr)):  
        if arr[i] == x:  
            return i  
    return -1  
  
arr = [4, 2, 7, 1, 9, 5]  
x = 7  
  
index = sequential_search(arr, x)  
  
if index != -1:  
    print(f"Element {x} found at index {index}.")  
else:  
    print(f"Element {x} not found.")
```

OUTPUT:

```
Element 7 found at index 2.
```

TIME COMPLEXITY: $O(n)$