4.Write a program to get the largest element of an array

Aim: To find the largest element of an array

Program:

```
def find_largest_element(arr):
    max_element = arr[0]
    for i in range(1, len(arr)):
        if arr[i] > max_element:
            max_element = arr[i]
    return max_element


# Test the function
array = [10, 30, 20, 50, 40]
largest_element = find_largest_element(array)
print("The largest element in the array is:", largest_element)
```

Output:

```
The largest element in the array is: 50

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

Time complexity:-O(n)