

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

PROGRAM:

```
def 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
```

```
array=[10,20,30,40,50]
```

```
result=largest_element(array)
```

```
print("the largest element is : ",largest)
```

INPUT: `array=[10,20,30,40,50]`

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

Time COMPLEXITY: $O(n)$