

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

**Code:**

```
arr1=[]
while True:
    n=int(input("Enter elements of array: "))
    if n==-1:
        break
    arr1.append(n)
print(f"Array:{arr1}")
print(f"Largest element in array:{max(arr1)}")
```

**Output:**

```
Enter elements of array: 5
Enter elements of array: 6
Enter elements of array: 7
Enter elements of array: 8
Enter elements of array: 9
Enter elements of array: 15
Enter elements of array: 16
Enter elements of array: 20
Enter elements of array: 21
Enter elements of array: -1
Array:[5, 6, 7, 8, 9, 15, 16, 20, 21]
Largest element in array:21
```

**Time Complexity:**

- $T(n)=O(n)$