

**1) Algorithm and Flow chart for finding the second largest number in an array**

1. Start
2. Declare the variables size, arr[size], largest, second\_ largest
3. Get the input size, array[size] from the user
4. Initialize largest=arr[0], second\_largest=arr[1], i=1
5. If arr[i] is greater than largest, set the arr[i] as largest and set the already largest value as the second\_largest
6. Else if arr[i] is greater than second\_largest, set the arr[i] as second\_largest value
7. i=i+1
8. If i is less than n, go to step 5
9. Print second\_largest
10. Stop

