

PROGRAMMING BASICS

1) Algorithm and flow chart for finding second largest number in an array

- Start
- Declare variables n, Largest, second_largest , array[n]
- Read n
- Read the array elements
- Initialize largest = array[0] , second_largest = array[1] , i = 1
- Repeat the following steps till $i < n$:
 1. If array[i] is greater than Largest, set second_largest to Largest and Largest to array[i]
 2. Else if array[i] is greater than second_largest, set second_largest to array[i]
- Print second_largest
- Stop

