**Find second largest number**

Algorithm:

1. Start
2. Initiate variables for number of elements, an array and some temporary variables required for loops and internal operations
3. Get n value and n elements and store it in array using for loop
4. Sort the array using two simple for loops and an if condition
5. After the array is sorted, the second largest number will be the element before the last element. Print the second last element of the array.
6. Stop

**Flow chart**

IS I<N-1 && J<N

PRINT A[N-1]

SWAP A[I] AND A[J]

IS A[I] > A[J]?

INCREMENT I AND J

INITIATE LOOP VARIABLES I TO 0 AND J TO 1

GET N AND ARRAY ELEMENTS

NO

YES

NO

YES