**Algorithm for finding the second largest number:**

**Using Array:**

Step 1: Declare variables length and array

Step 2: Read length and array from user.

Step 3: Check if length is less than 2. If yes, then Print “Second largest is not possible because length is less than 2”

Step 4: Sort the array.

Step 5: Print the element at the **position=length-2** which is the second largest number in the array.

**Among Three Numbers:**

Step 1: Declare variables num1, num2 and num3

Step 2: Read num1, num2 and num3.

Step 3: Check num1 > num2 AND num1 < num3 OR num1 > num3 AND num1 < num2

Print num1

Step 4: Check num2 > num1 AND num2 < num3 OR num2 > num3 AND num2 < num1

Print num2

Step 5: Else

Print num3

**Using Array:**

Declare length and array

Display array[length-2]

Sort()

Read length and array

**Among Three Numbers:**

Read num1, num2, num3

Declare num1, num2, num3



If num2 > num1 AND num2 < num3 OR num2 > num3 AND num2 < num1

If num1 > num2 AND num1 < num3 OR num1 > num3 AND num1 < num2

False True True

Print num3

Print num2

Print num1

False True