**Algorithm to find the second largest number:**

**Among Three Numbers using <> operators:**

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

**Flowchart**

start

Read a,b,c

a>b and a<c or

a>c and a<b

b>a and b<c

or b>c and b>a

yes no

no

yes yes

c=second largest

b=second largest

a=second largest

stop

**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.

**flowchart**

Not possible

stop

Put the values in a list

If values <2

Sort the array in descending order

Second largest number=

index(1)

Get values from user

start