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

1. Get the length of the array
2. Get the elements of the array next play
3. SET max equal to 0th element of the array
4. Initialize second\_max equal to 0
5. Initialize the for loop with eye in range of 1 to n-1 with increment by 1
6. If ith element greater than max then set second\_max =max and max=ith element
7. Print second\_max at the end for loop as the second largest number

**Flowchart:**

END

PRINT SECOND\_MAX

NO

CONTINUE

YES

SET SECOND\_MAX=MAX

MAX=ARR[I]

IF ARR[I]>MAX

GET THE ELEMENTS OF THE ARRAY IN ARR

FOR I IN RANGE 1 TO N-1

SET MAX=0TH ELEMENT OF THE ARRAY

SET SECOND\_MAX=0

GET THE LENGTH OF THE ARRAY AS N

START