**Algorithm for finding the second largest number**

**STEP 1:** Declare and read the number of elements.

**STEP 2:** Input the list elements.

**STEP 3:** Initialize two variables largest and second\_largest to be the first and second elements respectively.

**STEP 4:** Iterate over each number in the list starting from the third element.

**STEP 5:** If the current number is greater than largest, update second\_ largest to be largest, and updatelargest to be the current number.

**STEP 6:** If the current number is between second\_largest and largest, update second\_largest to be the current number.

**STEP 7:** After iterating over the entire list, second\_largest will contain the second largest number

**STEP 8:** Print the second largest.