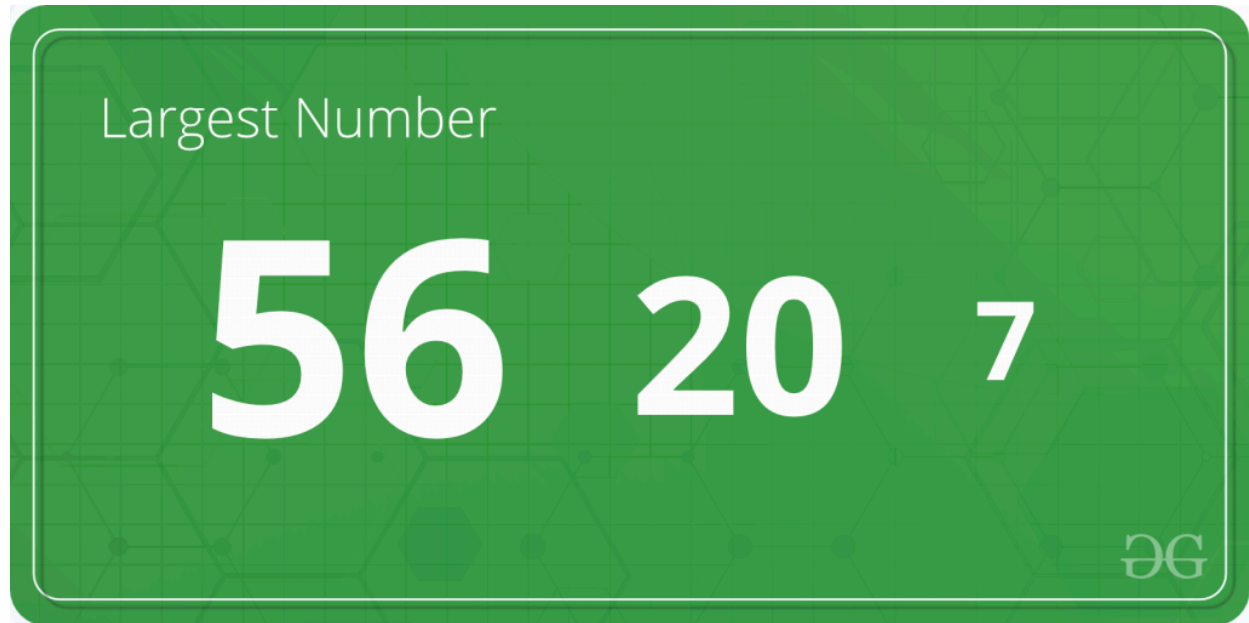# Largest of Three Numbers in Java

Given three numbers x, y, and z , task is to get the largest among these three numbers.
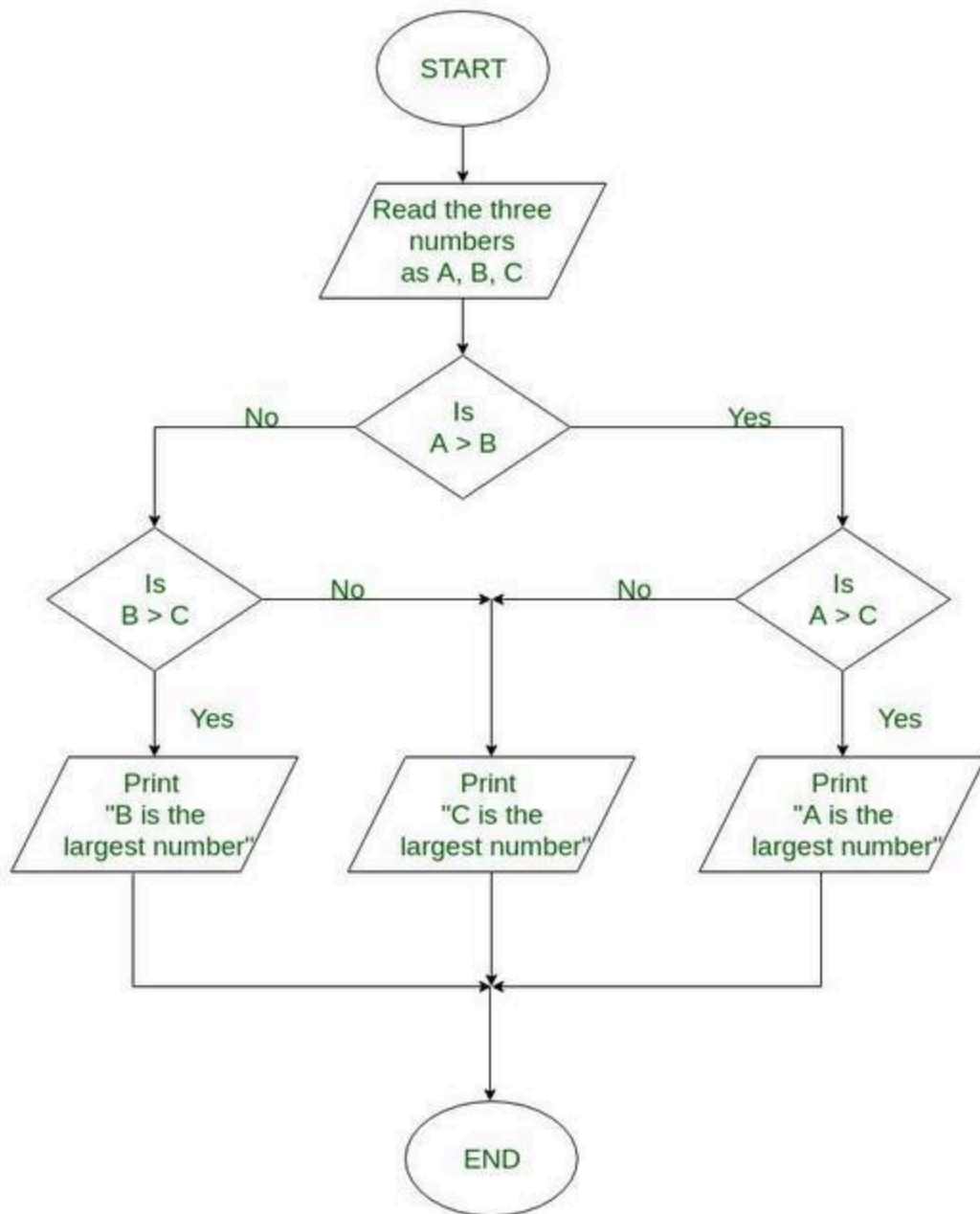
Largest Number

56 **20** 7

Example:

Input: x = 7, y = 20, z = 56

Output: 56

Flowchart For Largest of 3 numbers:

1. Using the if-else statements

Algorithm to find the largest of three numbers:

1. Start
2. Read the three numbers to be compared as A, B and C

3. Check if A is greater than B.

3.1 If true, then check if A is greater than C

If true, print 'A' as the greatest number

If false, print 'C' as the greatest number

3.2 If false, then check if B is greater than C

If true, print 'B' as the greatest number

If false, print 'C' as the greatest number

4. End

```java
// Java Program to Find the Biggest of 3 Numbers

import java.io.*;


class GfG {

    public static void main(String[] args) {

        int a, b, c, largest;

        // Considering random integers three numbers

        a = 5;

        b = 10;

        c = 3;

        // Comparing all 3 numbers

        if (a >= b && a >= c)

            // Returning 1st number if largest

            largest = a;

        // Comparing 2nd no with 1st and 3rd no

        else if (b >= a && b >= c)
```

```java
            // Return z if the above conditions are false

            largest = b;

        else

            // Returning 3rd no, Its sure it is greatest

            largest = c;

        // Printing the largest number

        System.out.println(largest

                        + " is the largest number.");

    }

}
```

Output

```
10 is the largest number.
```

2. Using in-built Math.max Function

In this method, the `max` function will determine the largest number by comparing the given numbers. First, the `max` function will check whether `x` is greater than `y`. Then, it will compare the result with `z` to find the overall largest number. The final result will be the maximum value among the three numbers.

```java
// Java Program to Find the Biggest of 3 Numbers

// using max function

import java.util.Scanner;
```

```java
class GfG {

    public static void main(String[] args) {

        // Considering random integers three numbers

        int a = 5, b = 10, c = 3;

        int temp = Math.max(a, b);

        int largest = Math.max(temp, c);

        // Printing the largest number

        System.out.println(largest

                        + " is the largest number.");

    }

}
```

Output

```
10 is the largest number.
```