

### 1.Problem Statement:

Find the highest of among the given 3 numbers.

### 2.Source code:

```
//Program to find the highest among the given 3 numbers

package mypackage;
import java.util.Scanner;
public class FindHighest {

    //Declaration of main method
    public static void main(String[] args)

    {
        System.out.println("Enter any 3 integer numbers");
        Scanner sc=new Scanner(System.in);

        //Declaration of variables for 3 entered numbers by user
        int firstNumber=sc.nextInt();
        int secondNumber=sc.nextInt();
        int thirdNumber=sc.nextInt();

        //Insert a new line in the output screen
        System.out.println();

        if((firstNumber==secondNumber) && (secondNumber==thirdNumber) &&
            (thirdNumber==firstNumber))
        {
            System.out.println("        All are the equal numbers ");
            System.exit(0);
        }

        //Verifying the highest number and displaying it.
        if(firstNumber>=secondNumber && firstNumber>=thirdNumber)
        {
            System.out.println("        The highest number is: "+ firstNumber);
        }
        else if (secondNumber>=firstNumber && secondNumber>=thirdNumber)
        {
            System.out.println("        The highest number is: "+
                secondNumber);
        }
        else if(thirdNumber>=firstNumber && thirdNumber>=secondNumber)
        {
            System.out.println("        The highest number is: "+ thirdNumber);
        }

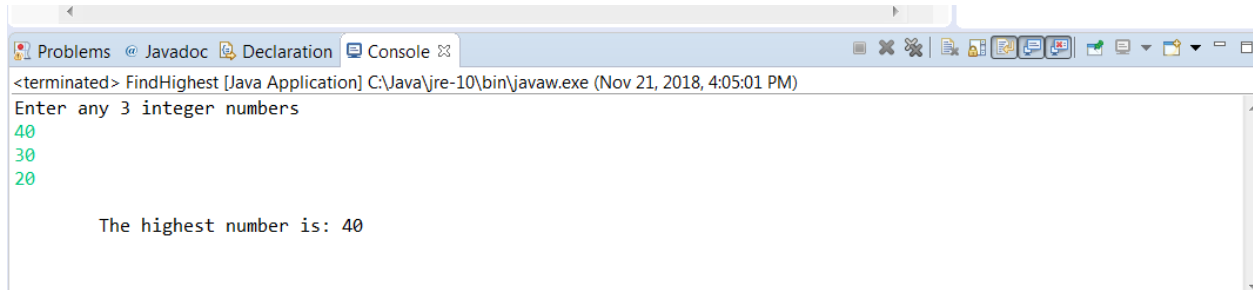
    }

}

} //End of the program
```

### 3.Output:

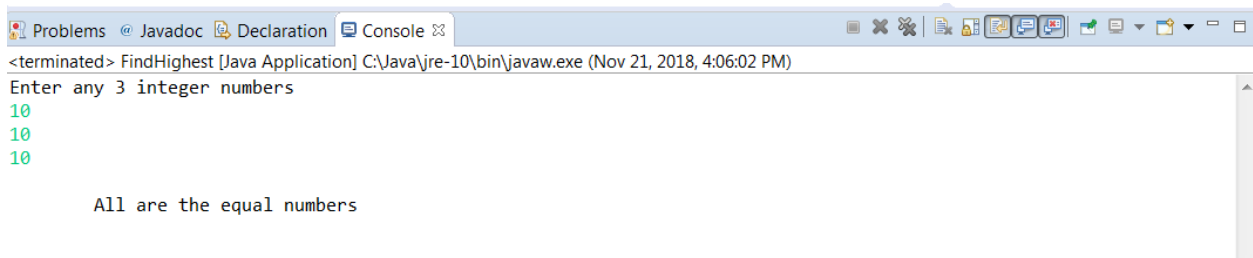
Below is the output when 3 unique numbers are given as input



```
<terminated> FindHighest [Java Application] C:\Java\jre-10\bin\javaw.exe (Nov 21, 2018, 4:05:01 PM)
Enter any 3 integer numbers
40
30
20

    The highest number is: 40
```

Below is the output when the given 3 numbers are equal as input.



```
<terminated> FindHighest [Java Application] C:\Java\jre-10\bin\javaw.exe (Nov 21, 2018, 4:06:02 PM)
Enter any 3 integer numbers
10
10
10

    All are the equal numbers
```

### 4.Additional Information

At first, the user is asked to enter the three numbers. When the user enters the equal numbers , a message is displayed indicating that all numbers are equal and program exits.

When the user gives the input as 3 unique numbers, the control statement 'If else 'is used to verify that each of the number is greater than or equal to the other two numbers. Finally the highest or greatest number is displayed as output.