

## 2.1 Write a program to find the highest among the given 3 numbers.

## 2.2 Code With Comments

```
package workout;

import java.util.Scanner;

public class GREATESTNUMBER {

    public static void main(String[] args) {

        //Getting 3 numbers as input
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter the Input:");
        int num1 = scan.nextInt();
        int num2 = scan.nextInt();
        int num3 = scan.nextInt();
        //int num1 = 10; double num2 =30.85; int num3=45;
        //Using if loop for comparison of the 3 numbers
        if (num1 >= num2 && num1 >= num3)
        {
            System.out.println("Greatest number is :"+num1);
        }
        else if (num2 >= num1 && num2>=num3)
        {
            System.out.println("Greatest number is :"+num2);
        }
        else
        {
            System.out.println("Greatest number is :"+num3);
        }
    }

}
```

## 2.3 Explanation of the code.

Getting 3 numbers as input using scanner class and imported the util package since scanner class comes under util.

Using if loop to compare the 3 numbers to find the highest number among 3 numbers.

1. Comparing num1 with num2 and num3. If num1 is greater than other 2 then it will print num1
2. Comparing num2 with num1 and num3. If num2 is greater than other 2 then it will print num2
3. Comparing num3 with num1 and num2. If num3 is greater than other 2 then it will print num3

## 2.4 Output

Entering 3 inputs and printing highest among 3 numbers

```
4
5 public class Greatestnumber {
6
7     public static void main(String[] args) {
8
9         //Getting 3 numbers as input
10        Scanner scan = new Scanner(System.in);
11        System.out.println("Enter the Input:");
12        int num1 = scan.nextInt();
13        int num2 = scan.nextInt();
14        int num3 = scan.nextInt();
15        //int num1 = 10; double num2 = 30.85; int num3 = 45;
16        //Using if loop for comparison of the 3 numbers
17        if (num1 >= num2 && num1 >= num3)
18        {
19            System.out.println("Greatest number is :"+num1);
20        }
21        else if (num2 >= num1 && num2 >= num3)
22        {
23            System.out.println("Greatest number is :"+num2);
24        }
25        else
26        {
27            System.out.println("Greatest number is :"+num3);
28        }
29    }
30 }
```

<terminated> Greatestnumber [Java Application] C:\Program Files\Java\jre-10.0.1\bin\javaw.exe (21-Nov-2018,  
Enter the Input:  
568  
435  
324  
Greatest number is :568