

Session 2

Assignment 1

1. Problem Statement: Write a program to find the highest among the given thr numbers

Program code:

/**This program finds the highest of the 3 numbers entered and displays. If all numbers are same, it displays the numbers are equal

*/

```
import java.util.Scanner;
```

```
class HighestNumber
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        int x, y, z;
```

```
        System.out.print("Enter first number:");
```

```
        Scanner in = new Scanner(System.in);
```

```
        x = in.nextInt();
```

```
        System.out.print("Enter second number: ");
```

```
        y = in.nextInt();
```

```
        System.out.print("Enter third number: ");
```

```
        z = in.nextInt();
```

```
        if (x > y && x > z)
```

```
            System.out.println("First number is highest.");
```

```
        else if (y > x && y > z)
```

```
            System.out.println("Second number is highest.");
```

```

        else if (z > x && z > y)

            System.out.println("Third number is highest.");

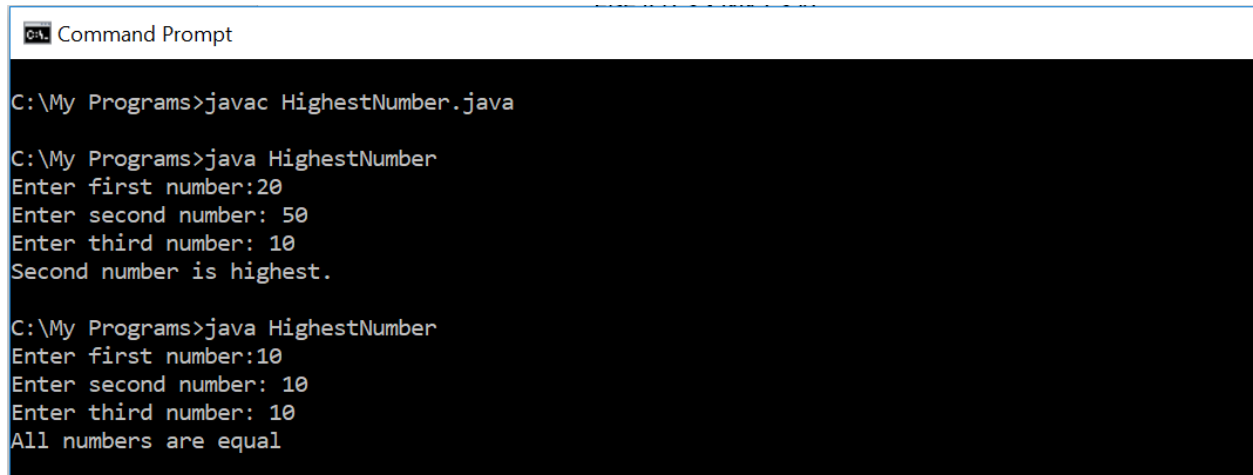
        else

            System.out.println("All numbers are equal");

    }

}

```



```

C:\My Programs>javac HighestNumber.java

C:\My Programs>java HighestNumber
Enter first number:20
Enter second number: 50
Enter third number: 10
Second number is highest.

C:\My Programs>java HighestNumber
Enter first number:10
Enter second number: 10
Enter third number: 10
All numbers are equal

```

Assignment 2: Write a program to print the following pattern:

```

*   *

*  *

*

*  *

*   *

```

Program code:

```

class PrintCross {

    public static void main(String[] args) {

        int n = 5;
    }
}

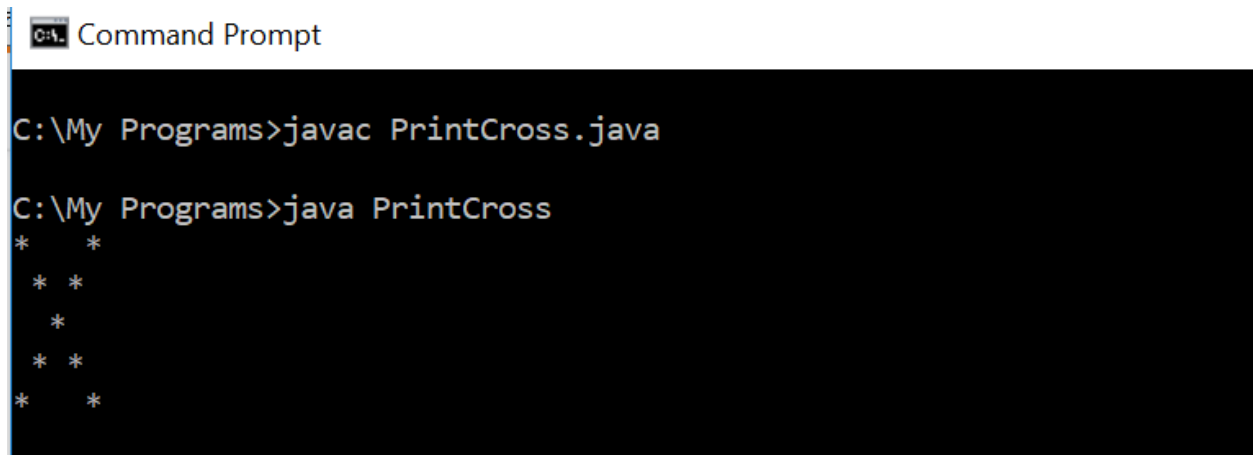
```

```

int i, j;

for (i = 1; i <= n; i++) {
    for (j = 1; j <= n; j++) {
        if (j == i) {
            System.out.print("*");
        } else if (j == n - (i - 1)) {
            System.out.print("*");
        } else {
            System.out.print(" ");
        }
    }
    System.out.println();
}
}
}

```



```

C:\My Programs>javac PrintCross.java

C:\My Programs>java PrintCross
*  *
*  *
 * 
*  *
*  *

```