

ASSIGNMENT 1

LINK : <http://tpcg.io/J6YE0P>

PROGRAM:

```
public class Test {

    public static void main(String args[]) {
        int a = 55;
        int b = 80;
        int c = 75;
        int d = 95;

        System.out.println("a + b = " + (a + b) );
        System.out.println("a - b = " + (a - b) );
        System.out.println("a * b = " + (a * b) );
        System.out.println("b / a = " + (b / a) );
        System.out.println("b % a = " + (b % a) );
        System.out.println("c % a = " + (c % a) );
        System.out.println("a++  = " + (a++) );
        System.out.println("a-- = " + (a--) );
        // Check the difference in d++ and ++d
        System.out.println("d++  = " + (d++)
        );System.out.println("++d  = " + (++d) );
```

```
}  
}
```

OUTPUT:

$a + b = 135$

$a - b = -25$

$a * b = 4400$

$b / a = 1$ $b \% a = 25$

$c \% a = 20$

$a++ = 55$

$a-- = 56$

$d++ = 95$

$++d = 97$

The screenshot displays a web browser window with the URL `tutorialspoint.com/compile_java_online.php`. The browser's address bar and tabs are visible at the top. The main content area features the 'Online Java Compiler' interface, which includes a source code editor on the left and a terminal window on the right. The source code defines a `Test` class with a `main` method that performs various arithmetic operations and prints the results. The terminal window shows the output of these operations, including addition, subtraction, multiplication, division, and increment/decrement operations. A 'Learn more' link is visible on the right side of the terminal window. The Windows taskbar is visible at the bottom of the screen.

```
1 /* Online Java Compiler and Editor */
2 public class Test {
3
4     public static void main(String args[]) {
5         int a = 55;
6         int b = 88;
7         int c = 75;
8         int d = 95;
9
10        System.out.println("a + b = " + (a + b) );
11        System.out.println("a - b = " + (a - b) );
12        System.out.println("a * b = " + (a * b) );
13        System.out.println("b / a = " + (b / a) );
14        System.out.println("b % a = " + (b % a) );
15        System.out.println("c % a = " + (c % a) );
16        System.out.println("a++ = " + (a++) );
17        System.out.println("a-- = " + (a--) );
18
19        // Check the difference in d++ and ++d
20        System.out.println("d++ = " + (d++) );System.out.println("++d
21        = " + (++d) );
22    }
```

Terminal Output:

```
a + b = 135
a - b = -25
a * b = 4400
b / a = 1b % a = 25
c % a = 20
a++ = 55
a-- = 56
d++ = 95
++d = 97
```

Learn more

PROGRAM SCREENSHOT