

Outputs

* `System.out.println(" " + 10 + 30);`

output: 1030

* `System.out.println(10 + 30 + "java");`

output: 40java

* `System.out.println("java" + 10 * 10);`

output: Java 100

* `System.out.println('J' + 'a' + 'v' + 'a');`

output: Ascii value sums (418)

* `System.out.println(" " + 'J' + 'a');`

output: Ja

* `int i = 20 + +9 - -12 + +4 - -13;`
`System.out.println(i);`

Output: $20 + 9 + 12 + 4 + 13 = 58$

0+30);

* System.out.print(1.0/0);
output: Infinity

* System.out.print(0/0);
System.out.print(0.0/0);

output: Error!

→ double a = 0.1 + 0.2;
System.out.println(a == 0.3);

output: false

because floating point arithmetic
can lead to precision
issues so $0.1 + 0.2$ doesn't
exactly equal to 0.3 .

($0.30000000000000004 \neq 0.3$)

* Prefix Increment:

$++x$ or $--y$

This will add $+1$ or -1 first
then assigned that new value
or use that new value.

-13;

58

* Postfix Increment:

$x++$ or $y++$

`float = 0.1 + 0.2;`
(error double to float not allowed!)

This will assigned or use the ^{current} value of `x` and `y` and then increments or decrements the original value of `x` or `y`.

We can't increment or decrement like these below:

`true++`, `10++`, `--(10++)`

These are not allowed, we can only increments or dec. variables like `int` vars or `float` or `char`

`A = 'A';`

`A++`

Output (B) \rightarrow A will become B but after increment.

* `System.out.println(A++);`
Output: A

* `System.out.println(++A);`
Output: B

* `int static main();`
error static must be in first before `int`.

Graphical

Bar c
Multipl
Histogram
freq
freq
Pie

8. Draw
polygon
freq

Classes

1 - 15
16 - 30
31 - 45
46 - 60
61 - 75
76 - 90
91 - 105
106 - 120
121 -