

Name : Sum, Sub, Multi, Div, Modules of 2 variables in JAVA.

Source Code :

```
Operator.java > ...
You, 3 weeks ago | 1 author (You)
1  public class Operator {
2      public static void main(String[] args){
3          int a = 5, b = 10;
4          int sum = a + b;
5          int sub = a - b;
6          int multi = a * b;
7          double div = (double)a / b;
8          int mod = a % b;
9
10         System.out.println("sum = " + sum);
11         System.out.println("sub = " + sub);
12         System.out.println("multi = " + multi);
13         System.out.println("div = " + div);
14         System.out.println("mod = " + mod);
15     }
16 }
17
18
```

Output :

```
PS E:\java projects> cd "e:\java projects\" ; if ($?) { javac Operator.java } ; if ($?) { java Operator }
sum = 15
sub = -5
multi = 50
div = 0.5
mod = 5
PS E:\java projects>
```

Name : Using different types of variable in JAVA.

Source Code :

```
Variables.java > ...  
You, 4 weeks ago | 1 author (You)  
1  public class Variables {  
2      public static void main(String[] args){  
3          String university = "Port City International University";  
4  
5          System.out.println(university);  
6  
7          int num = 23;  
8          System.out.println("int number is "+num);  
9  
10         char character='w';  
11         System.out.println("character is " +character);  
12  
13         float FoatValue = 34.78f;  
14         System.out.println("the float value is " +FoatValue);  
15  
16         boolean value = true;  
17         System.out.println("the boolean value is " +value);  
18     }  
19 }  
20
```

Output :

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  GITLENS  COMMENTS  
● PS E:\java projects> cd "e:\java projects\" ; if ($?) { javac Variables.java } ; if ($?) { java Variables }  
Port City International University  
int number is 23  
character is w  
the float value is 34.78  
the boolean value is true  
○ PS E:\java projects>
```

Name : Using variables and operators in JAVA.

Source Code :

```
☕ Variables2.java > ...
You, 6 minutes ago | 1 author (You)
1 public class Variables2 {
2     public static void main(String[] args){
3         String firstName = "Emtiaz ";
4         String lastName = "Chowdhury";
5         String fullName = firstName + lastName;
6
7         System.out.println(fullName);
8
9         int x = 8;
10        int y = 4;
11
12        System.out.println("sum = " +(x+y));
13        System.out.println("sub = " +(x-y));
14        System.out.println("multi = " +(x*y));
15        System.out.println("div = " +(x/y));
16        System.out.println("mod = " +(x%y));
17    }
18 }
19
```

Output :

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  GITLENS  COMMENTS
● PS E:\java projects> cd "e:\java projects\" ; if ($?) { javac Variables2.java } ; if ($?) { java Variables2 }
Emtiaz Chowdhury
sum = 12
sub = 4
multi = 32
div = 2
mod = 0
○ PS E:\java projects>
```

Name : Auto and manual type conversion in JAVA.

Source Code :

```
typecasting.java > ...
You, 3 weeks ago | 1 author (You)
1 public class typecasting {
2     public static void main(String[] args){
3         int n = 10;
4         long nl = n;
5         float nf = nl;
6         double nd = nf;
7
8         System.out.println("int n = " + n);
9         System.out.println("long nl = " + nl);
10        System.out.println("float nf = " + nf);
11        System.out.println("double nd = " + nd);
12
13        nf = (float)nd;
14        nl = (long)nf;
15        n = (int)nl;
16
17        System.out.println();
18
19        System.out.println("int n = " + n);
20        System.out.println("long nl = " + nl);
21        System.out.println("float nf = " + nf);
22        System.out.println("double nd = " + nd);
23    }
24 }
25
```

Output :

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  GITLENS  COMMENTS
● PS E:\java projects> cd "e:\java projects\" ; if ($?) { javac typecasting.java } ; if ($?) { java typecasting }
int n = 10
long nl = 10
float nf = 10.0
double nd = 10.0

int n = 10
long nl = 10
float nf = 10.0
double nd = 10.0
○ PS E:\java projects>
```

Name : Pre increment and post increment in java.

Source Code :

```
increment.java > ...
You, 3 minutes ago | 1 author (You)
1  ✓ public class increment {
2  ✓      public static void main(String[] args){
3          int n = 5;
4          n++;
5
6          System.out.println(x:"post increment");
7          System.out.println("n = " + n);
8          System.out.println("n = " + n++);
9          System.out.println("n = " + n);
10
11         System.out.println();
12
13         ++n;
14         System.out.println(x:"pre increment");
15         System.out.println("n = " + n);
16         System.out.println("n = " + (++n));
17         System.out.println("n = " + n);
18
19     }
20 }
21
```

Output :

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  GITLENS  COMMENTS
● PS E:\java projects> cd "e:\java projects\" ; if ($?) { javac increment.java } ; if ($?) { java increment }
post increment
n = 6
n = 6
n = 7

pre increment
n = 8
n = 9
n = 9
○ PS E:\java projects> █
```

Name : pre decrement and post decrement in JAVA.

Source Code :

```
decrement.java > ...
1  public class decrement {
2      public static void main(String[] args) {
3          int n = 5;
4          n--;
5
6          System.out.println(x:"pre decrement");
7          System.out.println("n = " + n);
8          System.out.println("n = " + (--n));
9          System.out.println("n = " + n);
10
11         System.out.println();
12
13         --n;
14         System.out.println(x:"post decrement");
15         System.out.println("n = " + n);
16         System.out.println("n = " + (n--));
17         System.out.println("n = " + n);
18     }
19
20 }
21
```

Output :

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  GITLENS  COMMENTS
● PS E:\java projects> cd "e:\java projects\"; if ($?) { javac decrement.java } ; if ($?) { java decrement }
pre decrement
n = 4
n = 3
n = 3

post decrement
n = 2
n = 2
n = 1
○ PS E:\java projects>
```