* Math and Arithmetic Operators in Java Example

The Java programming language supports various arithmetic operators for all floating-point and integer numbers. These operators are (+) (addition), (-) (subtraction),(*) (multiplication), (/) (division), and (%) (modulo). The following table summarizes the binary arithmetic operations in the Java programming language.

Operator	Use	Description
+	op1 + op2	Adds op1 and op2; also used to concatenate strings
_	op1 - op2	Subtracts op2 from op1
*	op1 * op2	Multiplies op1 by op2
/	op1 / op2	Divides op1 by op2
%	op1 % op2	Computes the remainder of dividing op1 by op2

```
public class ArithmeticDemo {
```

```
public static void main(String[] args) {
   //a few numbers
   int i = 37;
   int j = 42;
   double x = 27.475;
   double y = 7.22;
   System.out.println("Variable values...");
   System.out.println(" j = " + j);
System.out.println(" x = " + x);
   System.out.println(" y = " + y);
   //adding numbers
   System.out.println("Adding...");
   System.out.println("i+j="+(i+j));
   System.out.println(^{"} x + y = " + (x + y));
   //subtracting numbers
   System.out.println("Subtracting...");
   System.out.println(" i - j = " + (i - j));
System.out.println(" x - y = " + (x - y));
   //multiplying numbers
   System.out.println("Multiplying...");
   System.out.println(^{"} x * y = ^{"} + (x * y));
   //dividing numbers
```

```
Variable values...
    i = 37
    j = 42
    x = 27.475
    y = 7.22
Adding...
   i + j = 79
    x + y = 34.695
Subtracting...
    i - j = -5
    x - y = 20.255
Multiplying...
   i * j = 1554
    x * y = 198.37
Dividing...
    i / j = 0
    x / y = 3.8054
Computing the remainder...
   i % j = 37
    x % y = 5.815
Mixing types...
    j + y = 49.22
    i * x = 1016.58
```