

Kotlin Operators

Kotlin has a set of operators to perform arithmetic, assignment, comparison operators and more. You will learn to use these operators in this lesson.

Operators are special symbols (characters) that carry out operations on operands (variables and values). For example, + is an operator that performs addition.

In previous lessons you learned to declare variables and assign values to variables. Now, you will learn to use operators perform various operations on them.

1. Arithmetic Operators

Here's a list of arithmetic operators in Kotlin:

Kotlin Arithmetic Operators	
Operator	Meaning
+	Addition (also used for string concatenation)
-	Subtraction Operator
*	Multiplication Operator
/	Division Operator
%	Modulus Operator

Example 1:

We will create a program to add three numbers/variables

```
/**
 * You can edit, run, and share this code.
 * play.kotlinlang.org
 */

fun main(args: Array<String>) {
    val num1: Int = 45
    val num2: Int = 34
    val num3: Int = 89

    val answer: Int = num1 + num2 + num3
    println("Your solution is $answer")
}
```

Example 2:

We will create a program to find Body Mass Index

Below example we use Double since it can hold decimal values

```
/**  
 * You can edit, run, and share this code.  
 * play.kotlinlang.org  
 */  
  
fun main(args: Array<String>) {  
  
    val weight: Double = 45.7  
    val height: Double = 1.5  
  
    val bmi: Double = weight/(height/height)  
    println("Your solution is $bmi")  
  
}
```

Please check on the assignment on Topic 1