PHP - Arithmetic Operators Examples

In PHP, arithmetic operators are used to perform mathematical operations on numeric values. The following table highligts the arithmetic operators that are supported by PHP. Assume variable "$a" holds 42 and variable "$b" holds 20 −

Operator	Description	Example
+	Adds two operands	$a + $b = 62
-	Subtracts the second operand from the first	$a - $b = 22
*	Multiply both the operands	$a * $b = 840
/	Divide the numerator by the denominator	$a / $b = 2.1
%	Modulus Operator and remainder of after an integer division	$a % $b = 2
++	Increment operator, increases integer value by one	$a ++ = 43
--	Decrement operator, decreases integer value by one	$a -- = 42

Example

The following example shows how you can use these arithmetic operators in PHP −

```php
<?php
    $a = 42;
    $b = 20;

    $c = $a + $b;
    echo "Addtion Operation Result: $c \n";

    $c = $a - $b;
    echo "Substraction Operation Result: $c \n";

    $c = $a * $b;
    echo "Multiplication Operation Result: $c \n";
```

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```php
    $c = $a / $b;
    echo "Division Operation Result: $c \n";


    $c = $a % $b;
    echo "Modulus Operation Result: $c \n";


    $c = $a++;
    echo "Increment Operation Result: $c \n";


    $c = $a--;
    echo "Decrement Operation Result: $c";
?>
```

It will produce the following **output** −

```
Addtion Operation Result: 62
Substraction Operation Result: 22
Multiplication Operation Result: 840
Division Operation Result: 2.1
Modulus Operation Result: 2
Increment Operation Result: 42
Decrement Operation Result: 43
```