

## JavaScript Operators - Practice Code

### Problem Statement 1: Assignment Operators

Create a JavaScript program that calculates the sum of two variables, where you create two new variables and assign values to them as the first step and then create a new variable that calculates the sum of the other two variables. Print the sum using the **document.write** method.

### JavaScript Operators

The sum is 7

### Problem Statement 2: Addition Assignment

Using the addition assignment operator, increment the value of the existing variable and print the values before and after increment.

### The += Operator

Before Increment: 10

After Increment: 15

### Problem Statement 3: Number of Weeks

Using JavaScript operators calculate the number of weeks and remaining days in a year.

### Arithmetic Operator

### Number of weeks in a year

52 Weeks and 1 Day is there in a year

## Problem Statement 4: String Concatenation

Using the “+” operator concat two strings and print them. Where you create two variables and assign strings as value to them as a first step. Then create a new variable that concates other variables.

### String Concatenation

Hello Students Good Morning

Solution:

Problem Statement 1:

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript Operators</h2>
<script>
let x = 5;
let y = 2;
let z = x + y;
document.write("The sum is ", z);
</script>
</body>
</html>
```

Problem Statement 2:

```
<!DOCTYPE html>
<html>
<body>
<h2>The += Operator</h2>
<script>
var x = 10;
document.write("After increment: ", x);
x += 5;
document.write("<br>");
document.write("After increment: ", x);
</script>

</body>
</html>
```

### Problem Statement 3:

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>Operators</title>
</head>
<body>
  <h1>Arithmetic Operator</h1>
  <h1>Number of weeks in a year</h1>
  <script>
var days = 365;
var week_days = 7;
var week = Math.trunc(days/week_days); //divide Operation with trunc method
to remove digits after decimal
var remaining_days = days % week_days; //Modulo Operation
document.write(week + " Weeks and "+remaining_days+" Day is there in a
year");
</script>
</body>
</html>
```

### Problem Statement 4:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>Operators</title>
  <h2>String Concatenation</h2>
</head>
<body>
<script>
  var string1 = "Hello Students";
  var string2 = "Good Morning";
  var string = string1 + " " + string2;
  document.write("<br>");
  document.write(string);
</script>
</body>
</html>
```