

**Coding is practice... Practice your JS Code, with help of following steps, which will give you a clear understanding about JS Operators.**

### Challenge 1:

#### Steps:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given JS code in the file.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JS_Operator</title>
</head>
<body>
  <h2> Operators</h2>
  <p id="demo"></p>
  <p id="demo1"></p>
  <p id="demo2"></p>
  <p id="demo3"></p>
  <p id="demo4"></p>
  <p id="demo5"></p>
  <script>
//Arithmetic Operator use +, -, *, / //
    var x = 5;
    var y = 2;
    var z = x + y;
    document.getElementById("demo").innerHTML = z;

// Comparison operator use ==, ===, !=, !==, >, >=, <, <= //
    var a = y < x;
    document.getElementById("demo1").innerHTML = a;

// Bitwise operator use &, |, ^, ~, <<, >>, >>> //
    var b = ~x;
    document.getElementById("demo2").innerHTML = b;

//Logical operator use &&, ||, ! //
```

```

    var c = x && y;
    document.getElementById("demo3").innerHTML = c;

// Assignment operator use =, +=, -=, *=, /=, %= //
    x += 4;
    document.getElementById("demo4").innerHTML = x;

// Conditional operator//
    var d = (x > y) ? 100 : 200;
    document.getElementById("demo5").innerHTML = d;

//TypeOf operator//
    var str = "hello";
    var result1 = (typeof str == "string" ? "str is String" : "str is Numeric");
    var result2 = (typeof x == "string" ? "x is String" : "x is Numeric");
    document.write("<b>TypeOf Operator</b>");
    document.write("<br>");
    document.write(result1);
    document.write("<br>");
    document.write(result2);

//String operator//
    var string1 = "Hello";
    var string2 = "JS";
    var string = string1 + " " + string2;
    document.write("<br>");
    document.write("<b>String Concatenation Operator</b>");
    document.write("<br>");
    document.write(string);
    document.write("<br>");
    document.write("Hello" + y);
    document.write("<br>");
    string += "Operators";
    document.write("<b>Assignment Operator as String Concatenation Operator</b>");
    document.write("<br>");
    document.write(string);
</script>
</body>
</html>

```

- View the file in the browser, by right click on the file name in the left pane.

- View of file in browser.

```

Operators

7

true

-6

2

9

100

TypeOf Operator
str is String
x is Numeric
String Concatenation Operator
Hello JS
Hello2
Assignment Operator as String Concatenation Operator
Hello JSOperators
    
```

### Challenge 2:

With your knowledge gained on JS Operators prepare a code that gives the following output.

```

Arithmetic Operator
Number of weeks in a year
54 Weeks and 1 Day is there in a year
    
```

### Challenge 3:

With your knowledge gained on JS Operators prepare a code that gives the following output.

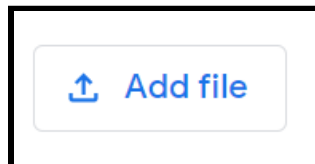
**String Concatenation Operator**  
Hello Students Good Morning

### Process for Submission

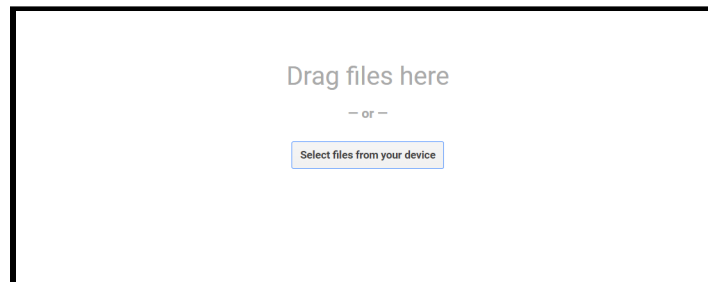
Please upload your assignment files via this [Google Form](#) before the deadline (11th April, 2022 11:59 pm).

Steps to submit the assignment:

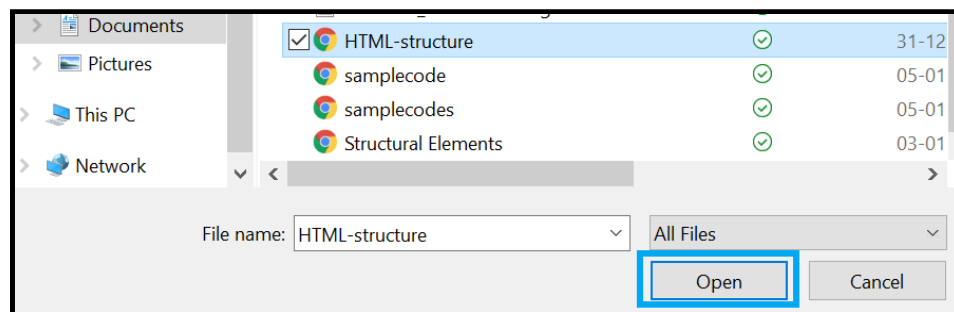
1. Open the [Google Form](#).
2. Enter your email id, name, assignment name.
3. And upload the assignment file by clicking the Add file button.



4. You can upload the file by clicking **Select file from your device** or by dragging the file and dropping it in the window opened.



5. Select your assignment file and click the **Open** button.



6. After selecting the file click on the **Upload** button.



7. Once the file is uploaded, click on the Submit button.

