

# Airthmetic Operator

The image shows a development environment with VS Code on the left and a web browser on the right. The VS Code editor displays a JavaScript file named 'task.html' with the following code:

```
<html lang="en">
<body>
  <script>
    // Airthmetic Operators
    var a=10;
    var b=2;

    var x=a+b;
    console.log('Addition ');
    console.log(x);

    var x=a-b;
    console.log('subtraction ');
    console.log(x);

    var x=a*b;
    console.log('Multiplication ');
    console.log(x);

    var x=a/b;
    console.log('Division ');
    console.log(x);

    var x=a%b;
    console.log('Modulus (Remainder) ');
    console.log(x);

    var x=a**b;
    console.log('Exponentiation ');
    console.log(x);

    var x=++a;
    console.log('pre Increment ');
    console.log(x);

    var x=a++;
    console.log('post Increment ');
    console.log(x);

    var x=--b;
    console.log('pre Decrement ');
    console.log(x);

    var x=b--;
    console.log('post Decrement ');
    console.log(x);
  </script>
</body>
</html>
```

The web browser (Chrome) displays the output of these operations in the console. A tooltip on the left of the browser window says: "Right click, press Inspect and goto the console tab to view output". The console output is as follows:

Operation	Result	File
Addition	12	task.html:18
subtraction	8	task.html:22
Multiplication	20	task.html:26
Division	5	task.html:30
Modulus (Remainder)	0	task.html:34
Exponentiation	100	task.html:38
pre Increment	11	task.html:42
post Increment	11	task.html:46
pre Decrement	1	task.html:50
post Decrement	1	task.html:54
Add and assign		task.html:63

# Assignment Operator

The image shows a development environment with VS Code on the left and a web browser on the right. The VS Code editor displays a JavaScript file named 'task.html' with the following code:

```
// Assignment Operators
var a1=10;
a1 += 10;
console.log('Add and assign');
console.log(a1);

var a2=10;
a2 -= 10;
console.log('Subtract and assign');
console.log(a2);

var a3=10;
a3 *= 2;
console.log('Multiply and assign');
console.log(a3);

var a4=10;
a4 /= 12;
console.log('Divide and assign');
console.log(a4);

var a5=10;
a5 %= 12;
console.log('Modulus and assign');
console.log(a5);

var a6=10;
a6 **= 10;
console.log('Exponential and assign');
console.log(a6);
```

The web browser (Chrome) displays the output of these operations in the console. A tooltip on the left of the browser window says: "Right click, press Inspect and goto the console tab to view output". The console output is as follows:

Operation	Result	File
Add and assign	120	task.html:63
Subtract and assign	0	task.html:70
Multiply and assign	20	task.html:76
Divide and assign	0.8333333333333334	task.html:82
Modulus and assign	10	task.html:87
Exponential and assign	10000000000	task.html:92