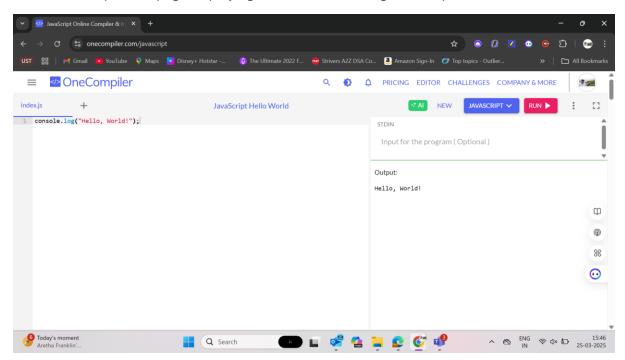
1. Create a simple web page displaying "Hello, World!" using JavaScript.



### 2.

## Using + Operator

## Using function

## **Using Arrow function**

```
index.js + 43cufguxk >

1 let addition = (a, b) => a + b;

2 stding

4 let num1 = 25;
5 let num2 = 25;
6 let sum = addition(num1, num2);
7 console.log("Sum of given numbers is :", sum);

Output:

Sum of given numbers is : 50
```

## Using Addition Assignment (+=) Operator

```
index.js + 43cufguxk >

1 let num1 = 15;
2 let num2 = 10;
3 num1 += num2;
4 |
5 console.log("Sum of the given number is :", num1);

Output:
Sum of the given number is : 25
```

3. Convert a regular function to an arrow function.

# **Arrow Function without Parameters**

```
index.js + 43cufguxk >

1 * const ust = () => {
2 console.log( "Hi from ust!" );
3 }
4 ust();

Coutput:
Hi from ust!
```

## Arrow Function with Single Parameters

```
index.js + 43cufguxk >

1    const square = x => x*x;|
2    console.log(square(4));

STDIN
Input for t

Output:
16
```

### Arrow Function with Multiple Parameters

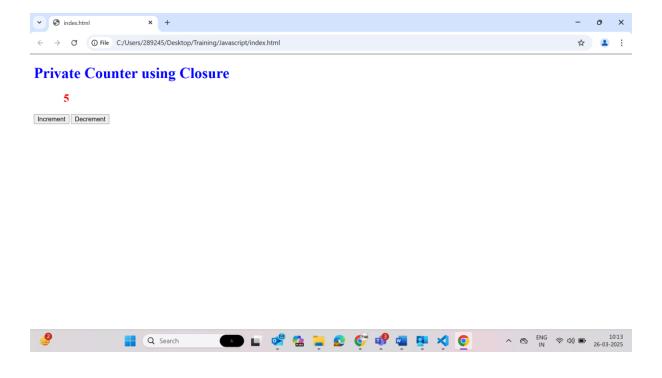
### Arrow Function with Default Parameters

```
index.js + 43cufguxk 

1 * const gfg = ( x, y, z = 30 ) => {
2 console.log( x + " " + y + " " + z);
3 }
4 gfg( 10, 20 );
10 20 30
```

#### Return Object Literals

4. Create a counter function using closures.



5. Define an object representing a car with properties and a method.

## Creating object with a constructor

```
index.js
                   +
                                                                   43cufguxk 🧪
 1 // Simple function
  2 * function vehicle(name, maker, engine) {
                                                                                                      Output:
         this.name = name;
          this.maker = maker;
 4
                                                                                                      GΤ
          this.engine = engine;
                                                                                                      BMW
  6 }
 7 // New keyword to create an object
8 let car = new vehicle('GT', 'BMW', '1998cc');
                                                                                                      1998cc
9 // Property accessors
10 console.log(car.name);
11 console.log(car.maker);
12 console.log(car['engine']);
```

## Using object literals

```
index.js + 43cufguxk /

1  // Creating js objects with object Literal
2  let car = {
3    name: 'GT',
4    maker: 'BMW',
5    engine: '1998cc'
6  };
7  // Property accessor
8  console.log(car.name); //dot notation
9  console.log(car['maker']); //bracket notation
```

## Creating object with Object.create() Method

## Using es6 classes

```
+
                                                      43cufguxk 🧪
index.js
 1 → class Vehicle {
 2  constructor(name, maker, engine) {
                                                                                   Output:
       this.name = name;
       this.maker = maker;
                                                                                   GΤ
 5
       this.engine = engine;
 6
 8
9 let car1 = new Vehicle('GT', 'BMW', '1998cc');
10
11 console.log(car1.name); //GT
```