

12 simple JavaScript functions to help you practice function assignments

1. Basic Function (No Parameters, No Return)

```
function sayHello() {  
    console.log("Hello, World!");  
}  
  
sayHello(); // Output: Hello, World!
```

2. Function with Parameters

```
function greet(name) {  
    console.log("Hello, " + name + "!");  
}  
  
greet("Dielli"); // Output: Hello, Dielli!
```

3. Function with Return Value

```
function add(a, b) {  
    return a + b;  
}  
  
let sum = add(5, 3);  
console.log(sum); // Output: 8
```

4. Function Expression (Assign Function to Variable)

```
const multiply = function(a, b) {  
    return a * b;  
};  
  
console.log(multiply(4, 2)); // Output: 8
```

5. Arrow Function

```
const subtract = (a, b) => a - b;  
  
console.log(subtract(10, 4)); // Output: 6
```

6. Function with Default Parameters

```
function greetUser(name = "Guest") {  
    console.log("Hello, " + name);  
}  
  
greetUser();          // Output: Hello, Guest  
greetUser("Arber");  // Output: Hello, Arber
```

7. Function to Check Even or Odd

```
function isEven(number) {  
    return number % 2 === 0;  
}  
  
console.log(isEven(10)); // Output: true  
console.log(isEven(7));  // Output: false
```

8. Function Returning a Function (Closure)

```
function multiplier(factor) {  
    return function(number) {  
        return number * factor;  
    };  
}  
  
const double = multiplier(2);  
console.log(double(5)); // Output: 10
```

9. Function Using a Loop

```
function countTo(n) {  
    for (let i = 1; i <= n; i++) {  
        console.log(i);  
    }  
}  
  
countTo(5);  
/* Output:  
1  
2  
3  
4  
5  
*/
```

10. Function That Modifies an Array

```
function doubleNumbers(arr) {  
    return arr.map(num => num * 2);  
}  
  
console.log(doubleNumbers([1, 2, 3])); // Output: [2, 4, 6]
```