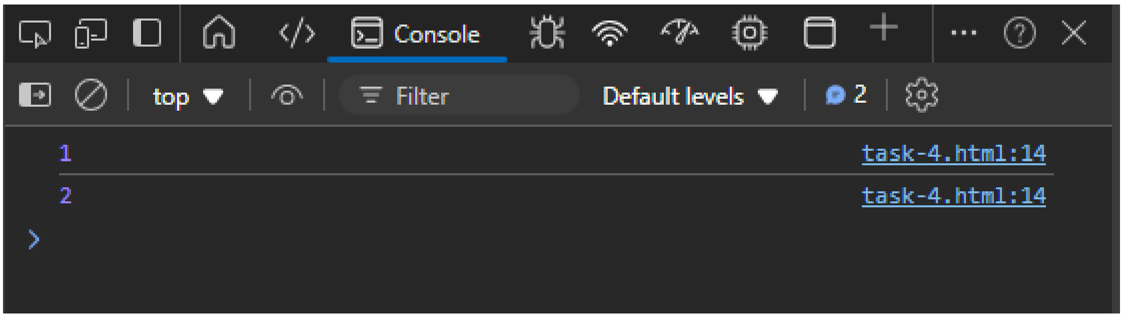
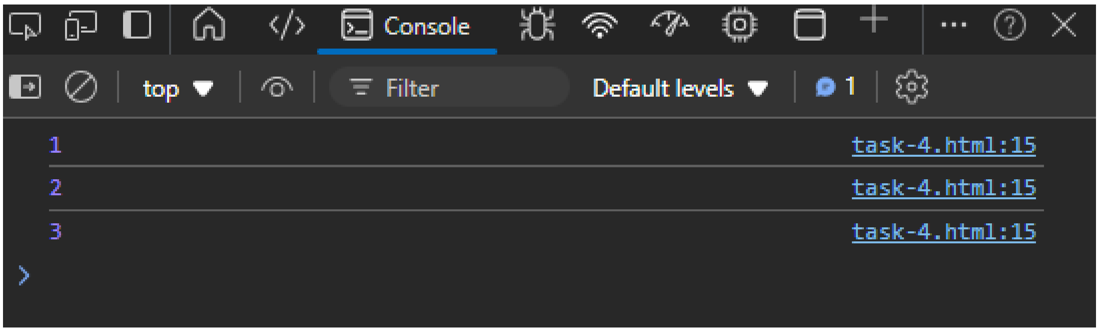
```
11.<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name ="viewport" content="width=device-width,initial-scale=1">
<title> document</title>
</head>
<body>
<script>
function outerFunction() {
let count = 0;
return function innerFunction() {
count++;
console.log(count);
};
}
const increment = outerFunction();
increment();
increment();
</script>
</body>
</html>
```



```
1                                                          task-4.html:14
2                                                          task-4.html:14
>
```

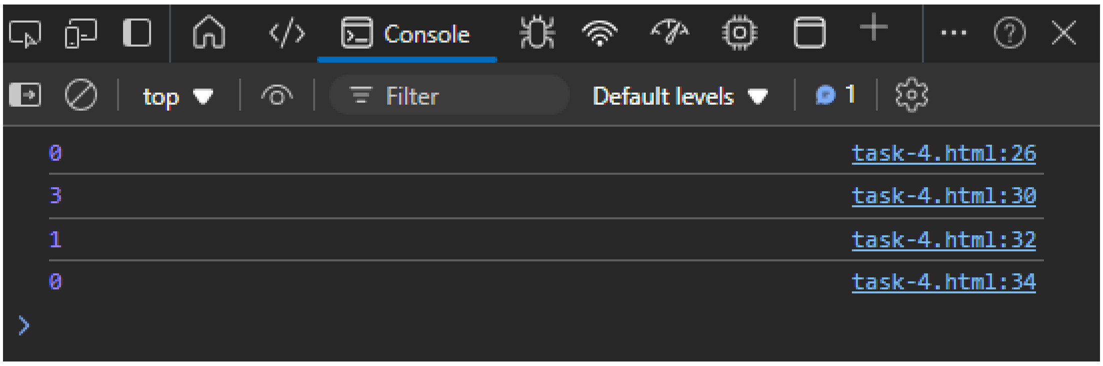
```
12.<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name ="viewport" content="width=device-width,initial-scale=1">
<title> document</title>
</head>
<body>
<script>
function createCounter() {
let count = 0;

return function() {
count += 1;
console.log(count);
};
}
const counter = createCounter();
counter();
counter();
counter();

</script>
</body>
</html>
```



```
1                                                    task-4.html:15
2                                                    task-4.html:15
3                                                    task-4.html:15
```

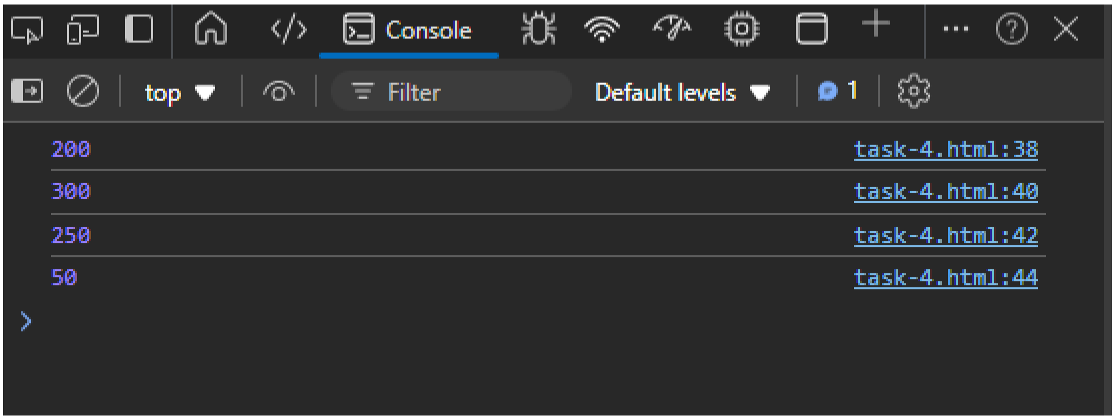
```
13.<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name ="viewport" content="width=device-width,initial-scale=1">
<title> document</title>
</head>
<body>
<script>
function createCounter() {
let count = 0;
return {
```

```
increment: function() {
count++;
},
decrement: function() {
count--;
},
getCurrentCount: function() {
return count;
}
};
}
const counter1 = createCounter();
const counter2 = createCounter();
console.log(counter1.getCurrentCount());
counter1.increment();
counter1.increment();
counter1.increment();
console.log(counter1.getCurrentCount());
counter2.increment();
console.log(counter2.getCurrentCount());
counter2.decrement();
console.log(counter2.getCurrentCount());

</script>
</body>
</html>
```



```
0                                   task-4.html:26
3                                   task-4.html:30
1                                   task-4.html:32
0                                   task-4.html:34
>
```

```
14.<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8">
<meta name ="viewport" content="width=device-width,initial-scale=1">
<title> document</title>
</head>
<body>
<script>
class BankAccount {
    constructor(initialBalance) {
        this.balance = initialBalance;
    }

    deposit(amount) {
        if (amount > 0) {
            this.balance += amount;
        } else {
            console.log("Deposit amount must be positive.");
        }
    }

    withdraw(amount) {
        if (amount > 0 && amount <= this.balance) {
            this.balance -= amount;
        } else {
            console.log("Insufficient funds or invalid amount.");
        }
    }

    getBalance() {
        return this.balance;
    }
}

const account = new BankAccount(200);

console.log(account.getBalance());
account.deposit(100);
console.log(account.getBalance());
account.withdraw(50);
console.log(account.getBalance());
account.withdraw(200);
console.log(account.getBalance());

</script>
</body>
</html>
```

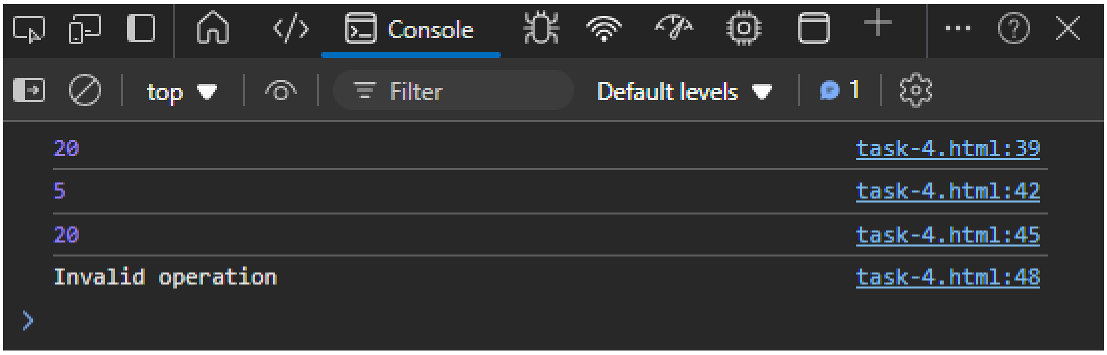


```
200                                           task-4.html:38
300                                           task-4.html:40
250                                           task-4.html:42
50                                            task-4.html:44
>
```

15.

```
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8">
<meta name ="viewport" content="width=device-width,initial-scale=1">
<title> document</title>
</head>
<body>
<script>
function add(num) {
    return function(x) {
        return x + num;
    };
}

function subtract(num) {
    return function(x) {
        return x - num;
    };
}

function multiply(num) {
    return function(x) {
        return x * num;
    };
}

function createMathFunction(operation) {
    const operations = {
        add: add,
        subtract: subtract,
        multiply: multiply
    };

    return operations[operation] || function() { return 'Invalid operation';
};
}

const add10 = createMathFunction('add')(10);
console.log(add10(10));

const subtract5 = createMathFunction('subtract')(5);
console.log(subtract5(10));

const multiply2 = createMathFunction('multiply')(2);
console.log(multiply2(10));

const invalidOp = createMathFunction('divide');
```

```
console.log(invalidOp());

</script>
</body>
</html>
```



```
20                                          task-4.html:39
5                                           task-4.html:42
20                                          task-4.html:45
Invalid operation                           task-4.html:48
```