ex1.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex1.js > ...

```javascript
for (let i = 1; i <= 10; i++) {
    console.log(i);
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex1.js
1
2
3
4
5
6
7
8
9
10
```

ex2.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex2.js > ...

```javascript
for (let i = 2; i <= 20; i += 2) {
    console.log(i);
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex2.js
2
4
6
8
10
12
14
16
18
20
```

ex3.js

sprint2 > JavaScript Task Practice - 5 > JS ex3.js > ...

```javascript
for (let i = 1; i <= 20; i += 2) {
    console.log(i);
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex3.js
1
3
5
7
9
11
13
15
17
19
```

ex4.js

sprint2 > JavaScript Task Practice - 5 > JS ex4.js > factorial

```javascript
function factorial(n) {
    let result = 1;
    for (let i = 1; i <= n; i++) {
        result *= i;
    }
    return result;
}
console.log(factorial(5));
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex4.js
120
```

```js
let sum = 0;
for (let i = 1; i <= 100; i++) {
    sum += i;
}
console.log(sum);
```

C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex5.js
5050

```js
function average(arr) {
    let sum = 0;
    for (let i = 0; i < arr.length; i++) {
        sum += arr[i];
    }
    return sum / arr.length;
}
console.log(average([10, 20, 30, 40, 50]));
```

C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex6.js
30

```js
for (let i = 1; i <= 5; i++) {
    let row = '';
    for (let j = 1; j <= 5; j++) {
        row += '* ';
    }
    console.log(row);
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex7.js
(5) * * * * *
```

```js
for (let i = 1; i <= 5; i++) {
    console.log(i);
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex8.js
1
2
3
4
5
```

ex9.js

sprint2 > JavaScript Task Practice - 5 > JS ex9.js > ...

```javascript
for (let i = 1; i <= 10; i++) {
    console.log(i);
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex9.js
1
2
3
4
5
6
7
8
9
10
```

ex10.js

sprint2 > JavaScript Task Practice - 5 > JS ex10.js > ...

```javascript
function checkFirstLast(arr) {
    return arr[0] === arr[arr.length - 1];
}
console.log(checkFirstLast([10, 20, 30, 40, 10]));
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex10.js
true
```

```js
function divisibleByFive(arr) {
    for (let i = 0; i < arr.length; i++) {
        if (arr[i] % 5 === 0) {
            console.log(arr[i]);
        }
    }
}
divisibleByFive([5, 12, 20, 33, 45]);
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex11.js
5
20
45
```

```js
function checkVowelConsonant(char) {
    const vowels = 'aeiouAEIOU';
    if (vowels.includes(char)) {
        console.log('Vowel');
    } else {
        console.log('Consonant');
    }
}
checkVowelConsonant('a');
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex12.js
Vowel
```

```js
let even = 0, odd = 0;
for (let i = 10; i <= 55; i++) {
    if (i % 2 === 0) even++;
    else odd++;
}
console.log(`Even: ${even}, Odd: ${odd}`);
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex13.js
Even: 23, Odd: 23

```js
for (let i = 1; i <= 25; i++) {
    if (i % 5 !== 0) console.log(i);
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex14.js
1
2
3
4
6
7
8
9
11
12
13
14
16
17
18
19
21
22
23
24
```

ex15.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex15.js > ...

```javascript
function factorial(n) {
    let fact = 1;
    for (let i = 1; i <= n; i++) fact *= i;
    return fact;
}
let arr = [2, 3, 4, 5];
arr.forEach(num => console.log(factorial(num)));
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex15.js
2
6
24
120
```

ex16.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex16.js > ...

```javascript
function productOrSum(a, b) {
    let product = a * b;
    return product > 500 ? a + b : product;
}
console.log(productOrSum(20, 30));
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex16.js
50
```

ex17.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex17.js > ...

```javascript
1  function greatestOfTwo(a, b) {
2      console.log(a > b ? a : b);
3  }
4  greatestOfTwo(5, 10);
5
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex17.js
10
```

---

ex18.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex18.js > ...

```javascript
1  function greatestOfThree(a, b, c) {
2      console.log(Math.max(a, b, c));
3  }
4  greatestOfThree(5, 15, 10);
5
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex18.js
15
```

---

ex19.js ✕

sprint2 > JavaScript Task Practice - 5 > JS ex19.js > ...

```javascript
1  function separateNumbers(arr) {
2      let positive = arr.filter(num => num >= 0);
3      let negative = arr.filter(num => num < 0);
4      console.log(`Positive: ${positive}`);
5      console.log(`Negative: ${negative}`);
6  }
7  separateNumbers([23, 4, -6, 23, -9, 21, 3, -45, -8]);
8
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Task Practice - 5\ex19.js
Positive: 23,4,23,21,3
Negative: -6,-9,-45,-8
```