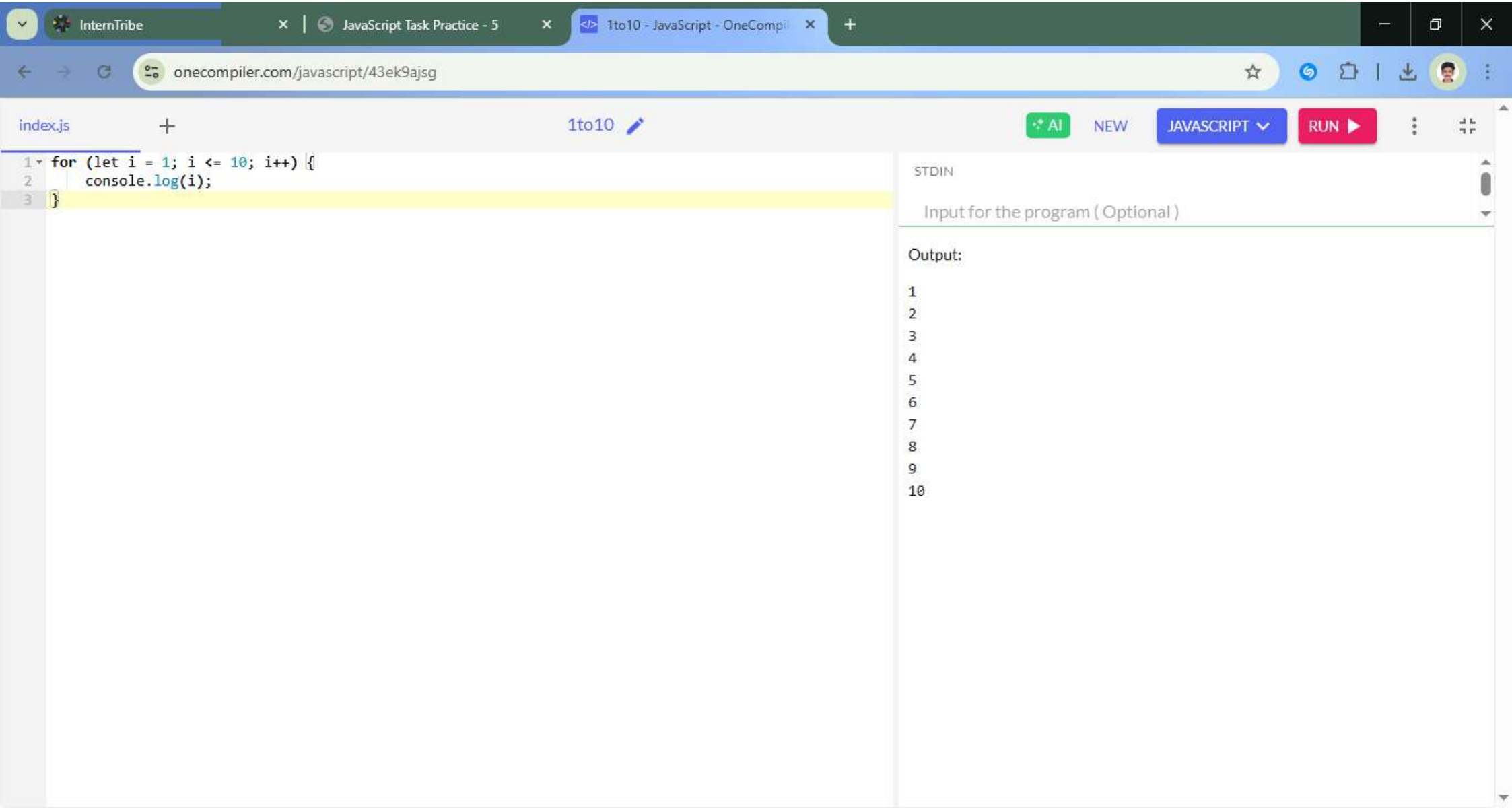

InternTribe
JavaScript Task Practice - 5
1to10 - JavaScript - OneCompi
onecompiler.com/javascript/43ek9ajsg
index.js
1to10
AI
NEW
JAVASCRIPT
RUN
for (let i = 1; i <= 10; i++) {
console.log(i);
}
STDIN
Input for the program (Optional)
Output:
1
2
3
4
5
6
7
8
9
10

InternTribe | JavaScript Task Practice - 5 | 1to20 - JavaScript - OneCompi

onecompiler.com/javascript/43ek9ajsg

index.js

1to20

AI NEW JAVASCRIPT RUN

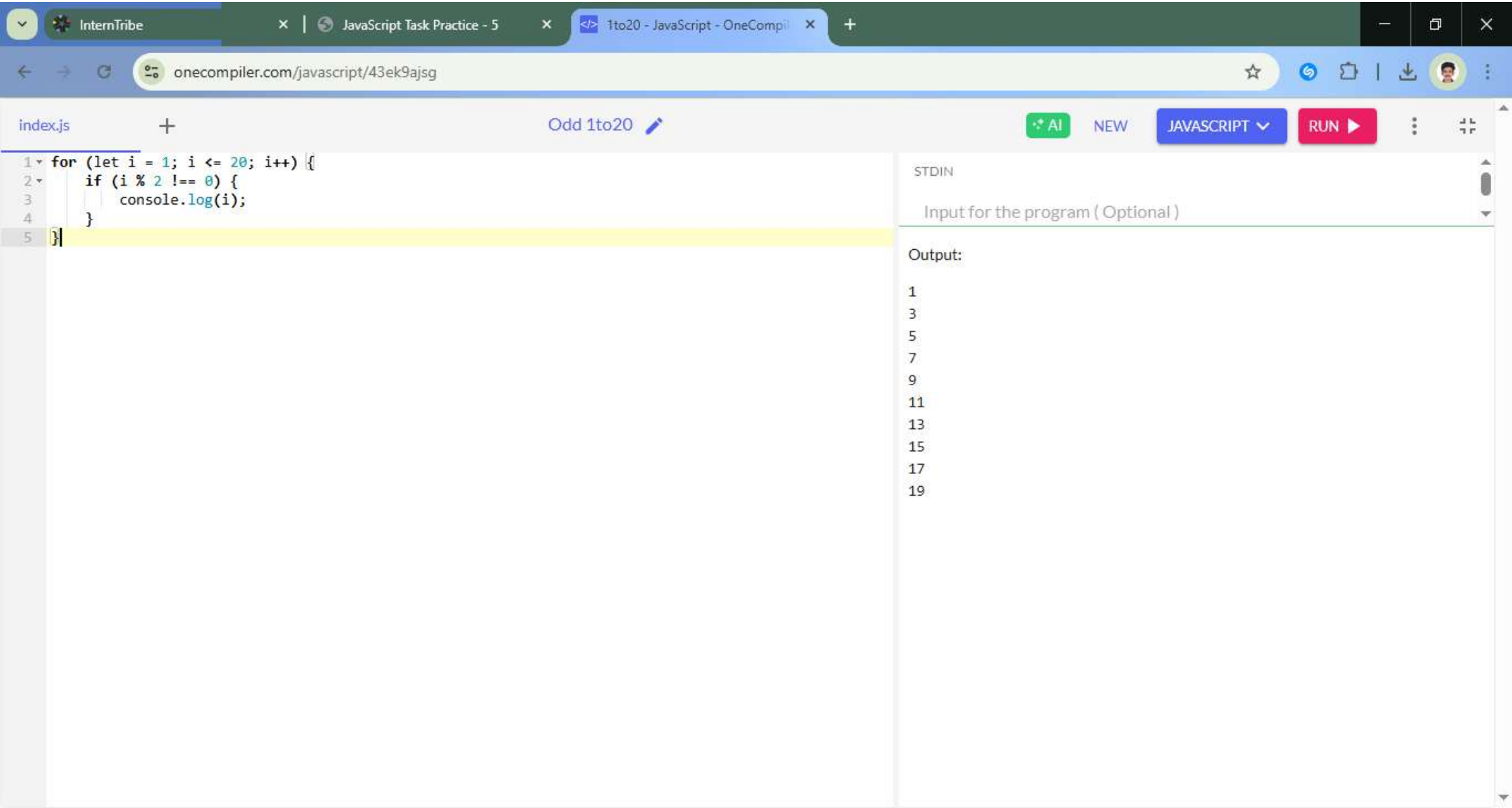
```
for (let i = 1; i <= 20; i++) {
    if (i % 2 === 0) {
        console.log(i);
    }
}
```

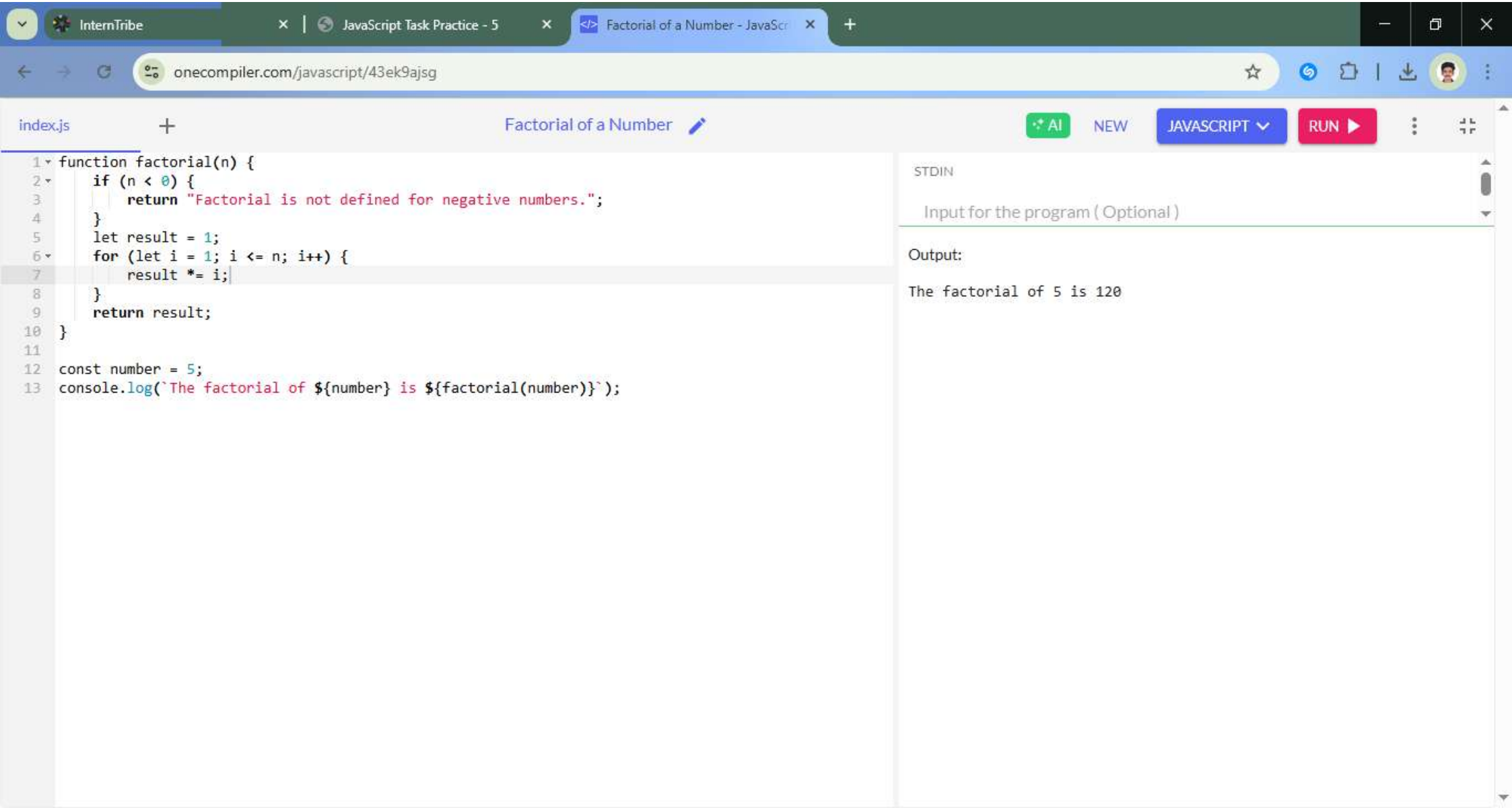
STDIN

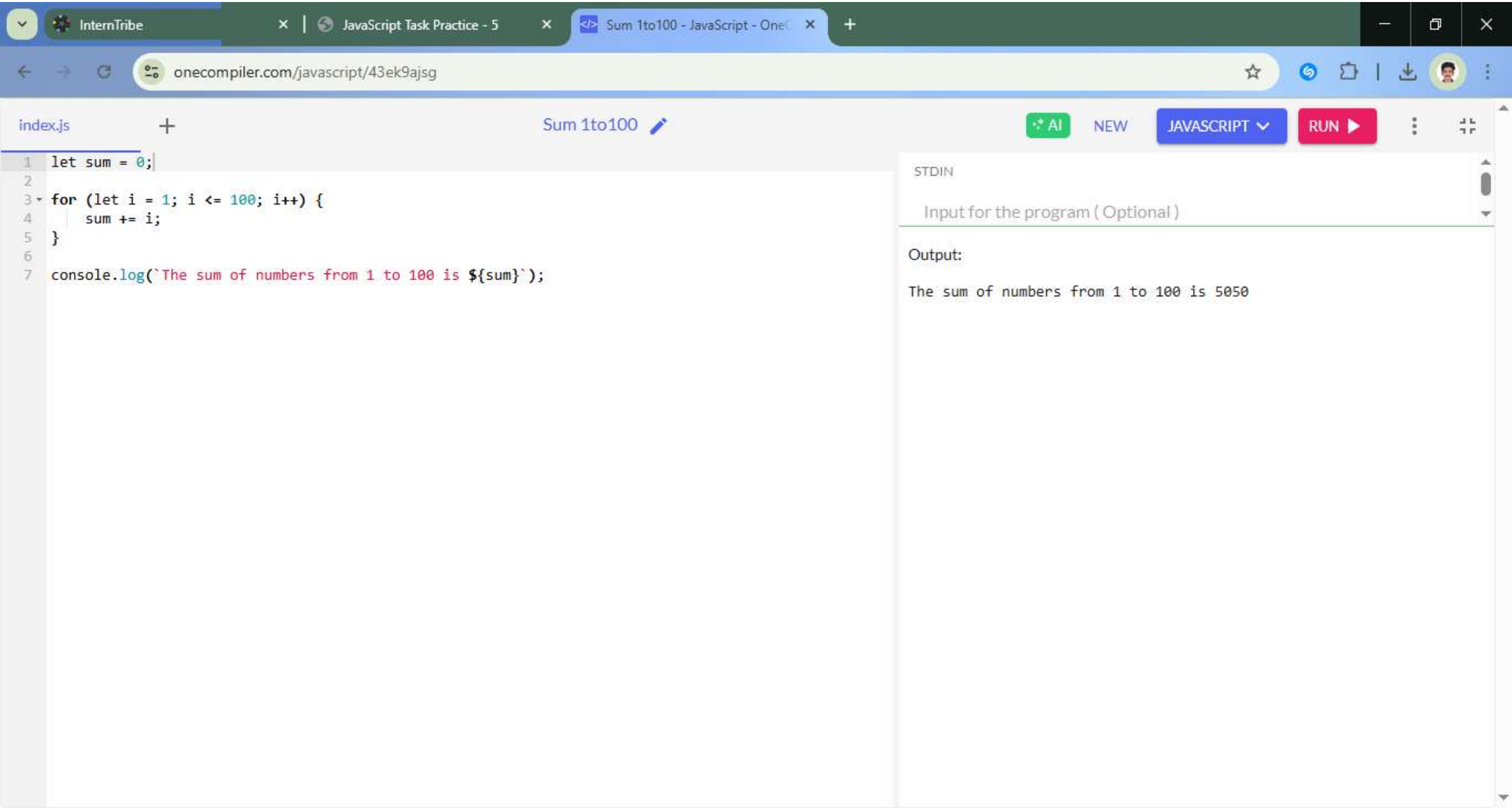
Input for the program (Optional)

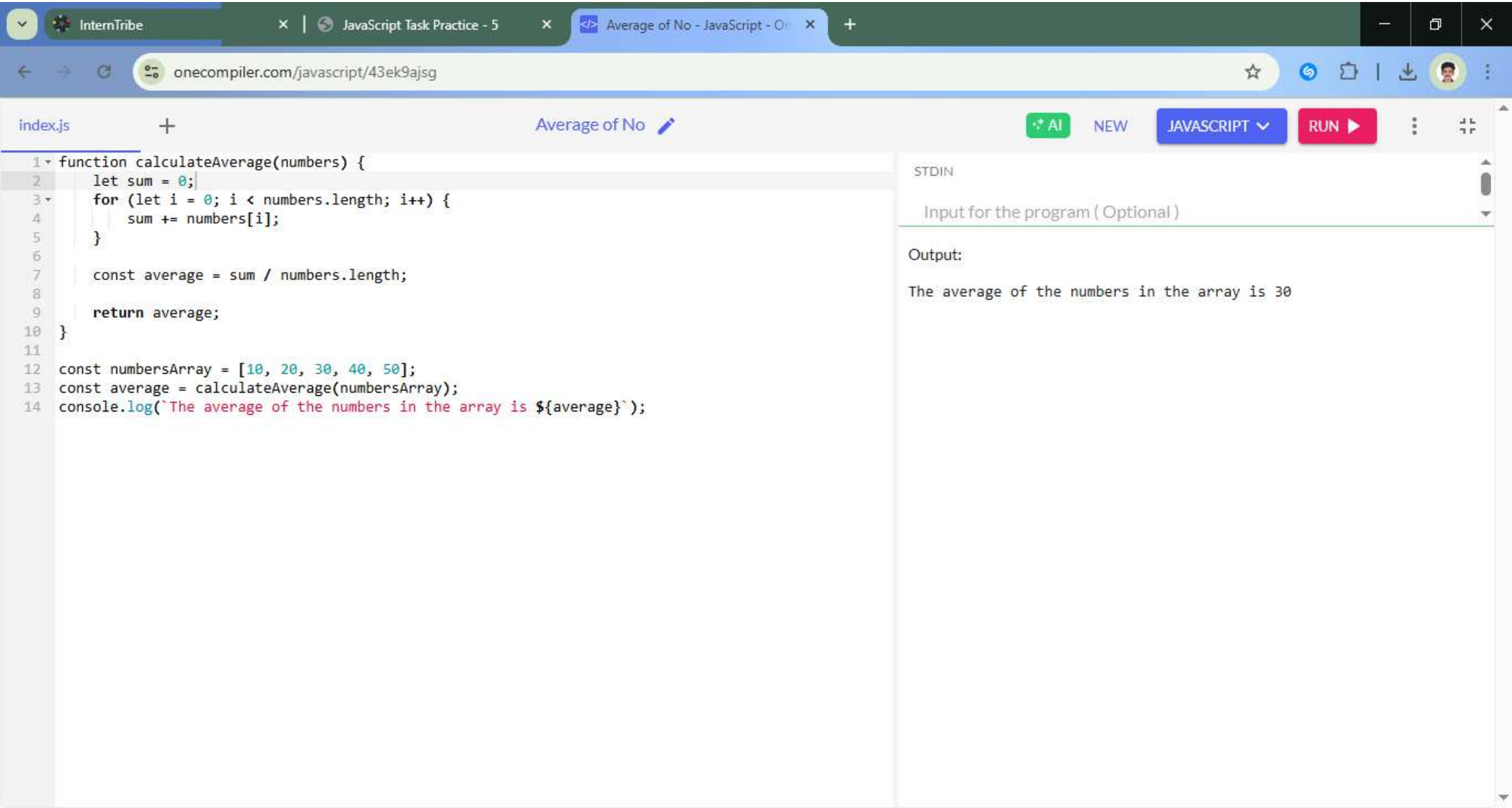
Output:

```
2
4
6
8
10
12
14
16
18
20
```


InternTribe
JavaScript Task Practice - 5
1to20 - JavaScript - OneCompi
onecompiler.com/javascript/43ek9ajsg
index.js
Odd 1to20
AI
NEW
JAVASCRIPT
RUN
for (let i = 1; i <= 20; i++) {
if (i % 2 !== 0) {
console.log(i);
}
}
STDIN
Input for the program (Optional)
Output:
1
3
5
7
9
11
13
15
17
19


InternTribe
JavaScript Task Practice - 5
Factorial of a Number - JavaScr
onecompiler.com/javascript/43ek9ajsg
index.js
Factorial of a Number
AI
NEW
JAVASCRIPT
RUN
function factorial(n) {
if (n < 0) {
return "Factorial is not defined for negative numbers.";
}
let result = 1;
for (let i = 1; i <= n; i++) {
result *= i;
}
return result;
}
const number = 5;
console.log(`The factorial of ${number} is ${factorial(number)}`);
STDIN
Input for the program (Optional)
Output:
The factorial of 5 is 120


InternTribe
JavaScript Task Practice - 5
Sum 1to100 - JavaScript - One
onecompiler.com/javascript/43ek9ajsg
index.js
Sum 1to100
AI
NEW
JAVASCRIPT
RUN
let sum = 0;
for (let i = 1; i <= 100; i++) {
sum += i;
}
console.log(`The sum of numbers from 1 to 100 is ${sum}`);
STDIN
Input for the program (Optional)
Output:
The sum of numbers from 1 to 100 is 5050


InternTribe
JavaScript Task Practice - 5
Average of No - JavaScript - O
onecompiler.com/javascript/43ek9ajsg
index.js
Average of No
AI
NEW
JAVASCRIPT
RUN
function calculateAverage(numbers) {
let sum = 0;
for (let i = 0; i < numbers.length; i++) {
sum += numbers[i];
}
const average = sum / numbers.length;
return average;
}
const numbersArray = [10, 20, 30, 40, 50];
const average = calculateAverage(numbersArray);
console.log(`The average of the numbers in the array is ${average}`);
STDIN
Input for the program (Optional)
Output:
The average of the numbers in the array is 30

InternTribe | JavaScript Task Practice - 5 | Nested for Loops - JavaScript -

onecompiler.com/javascript/43ek9ajsg

index.js

Nested for Loops

AI NEW JAVASCRIPT RUN

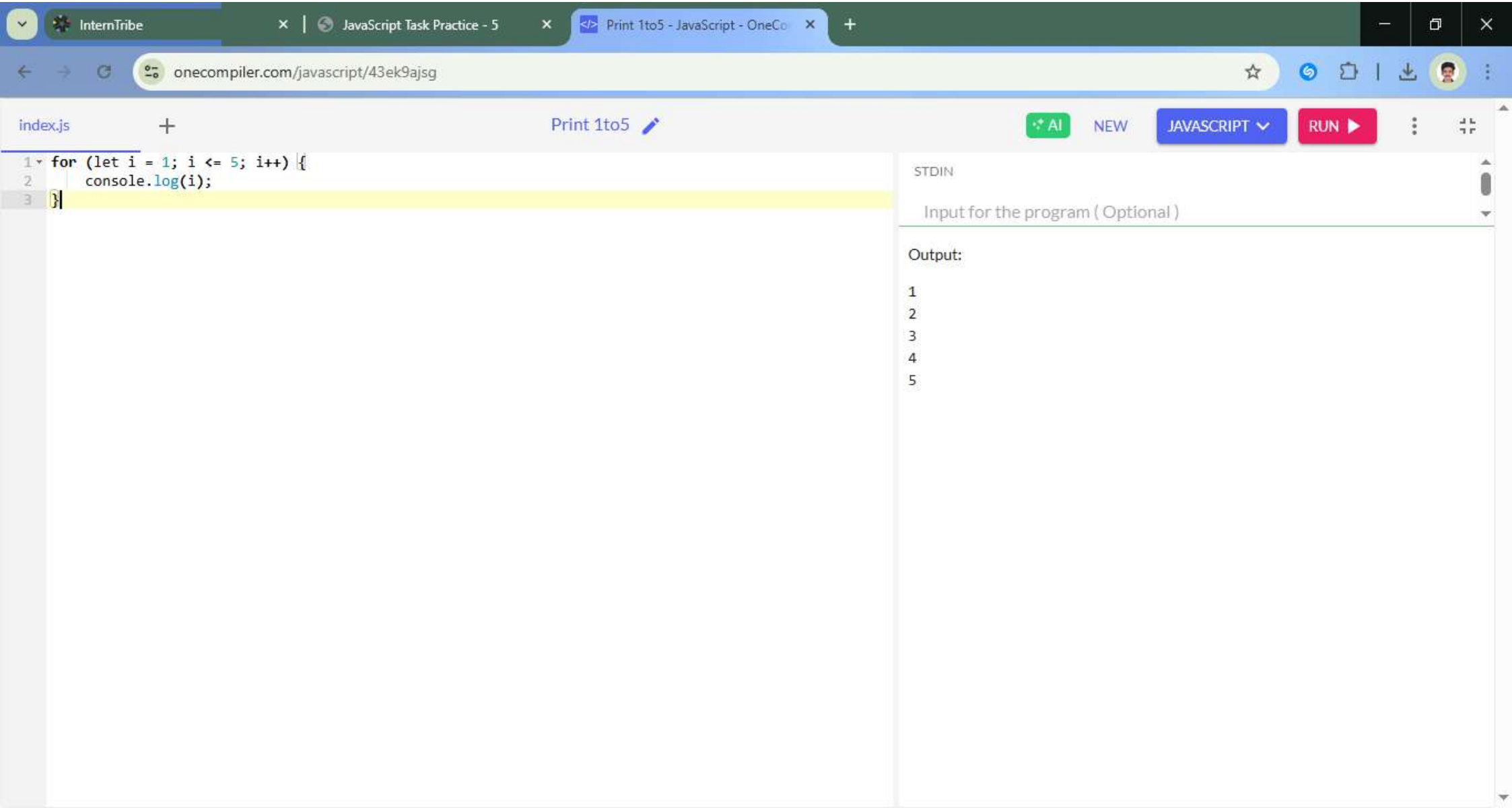
```
//Square
function drawSquare(size) {
    for (let i = 0; i < size; i++) {
        let row = '';
        for (let j = 0; j < size; j++) {
            row += '* ';
        }
        console.log(row);
    }
}

drawSquare(5);
//Triangle
function drawRightAngledTriangle(height) {
    for (let i = 1; i <= height; i++) {
        let row = '';
        for (let j = 1; j <= i; j++) {
            row += '* ';
        }
        console.log(row);
    }
}

drawRightAngledTriangle(5);
//Diamonds
function drawDiamond(height) {
    for (let i = 1; i <= height; i++) {
        let row = ' '.repeat(height - i);
        for (let j = 1; j <= (2 * i - 1); j++) {
            row += '*';
        }
        console.log(row);
    }
    for (let i = height - 1; i >= 1; i--) {
        let row = ' '.repeat(height - i);
        for (let j = 1; j <= (2 * i - 1); j++) {
            row += '*';
        }
        console.log(row);
    }
}
drawDiamond(5);
```

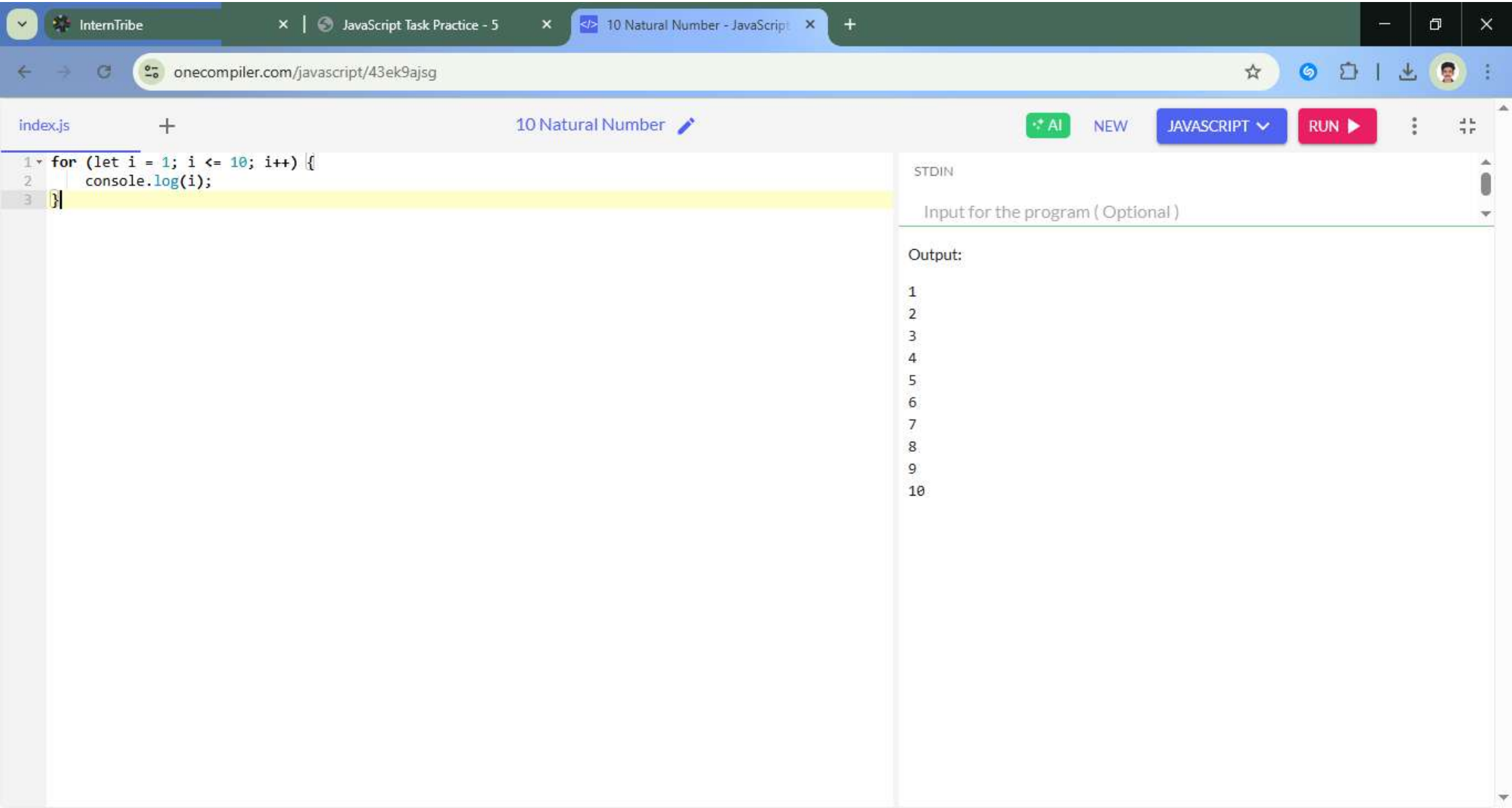
STDIN

Input for the program (Optional)

Output:

```
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
*
* *
* * *
* * * *
* * * * *
    *
   ***
  *****
 *******
*********
 *******
  *****
   ***
    *
```


InternTribe
JavaScript Task Practice - 5
Print 1to5 - JavaScript - OneCo
onecompiler.com/javascript/43ek9ajsg
index.js
Print 1to5
AI
NEW
JAVASCRIPT
RUN
for (let i = 1; i <= 5; i++) {
console.log(i);
}
STDIN
Input for the program (Optional)
Output:
1
2
3
4
5


InternTribe
JavaScript Task Practice - 5
10 Natural Number - JavaScript
onecompiler.com/javascript/43ek9ajsg
index.js
10 Natural Number
AI
NEW
JAVASCRIPT
RUN
for (let i = 1; i <= 10; i++) {
console.log(i);
}
STDIN
Input for the program (Optional)
Output:
1
2
3
4
5
6
7
8
9
10

InternTribe | JavaScript Task Practice - 5 | First and Last No - JavaScript -

onecompiler.com/javascript/43ek9ajsg

index.js

First and Last No

AI NEW JAVASCRIPT RUN

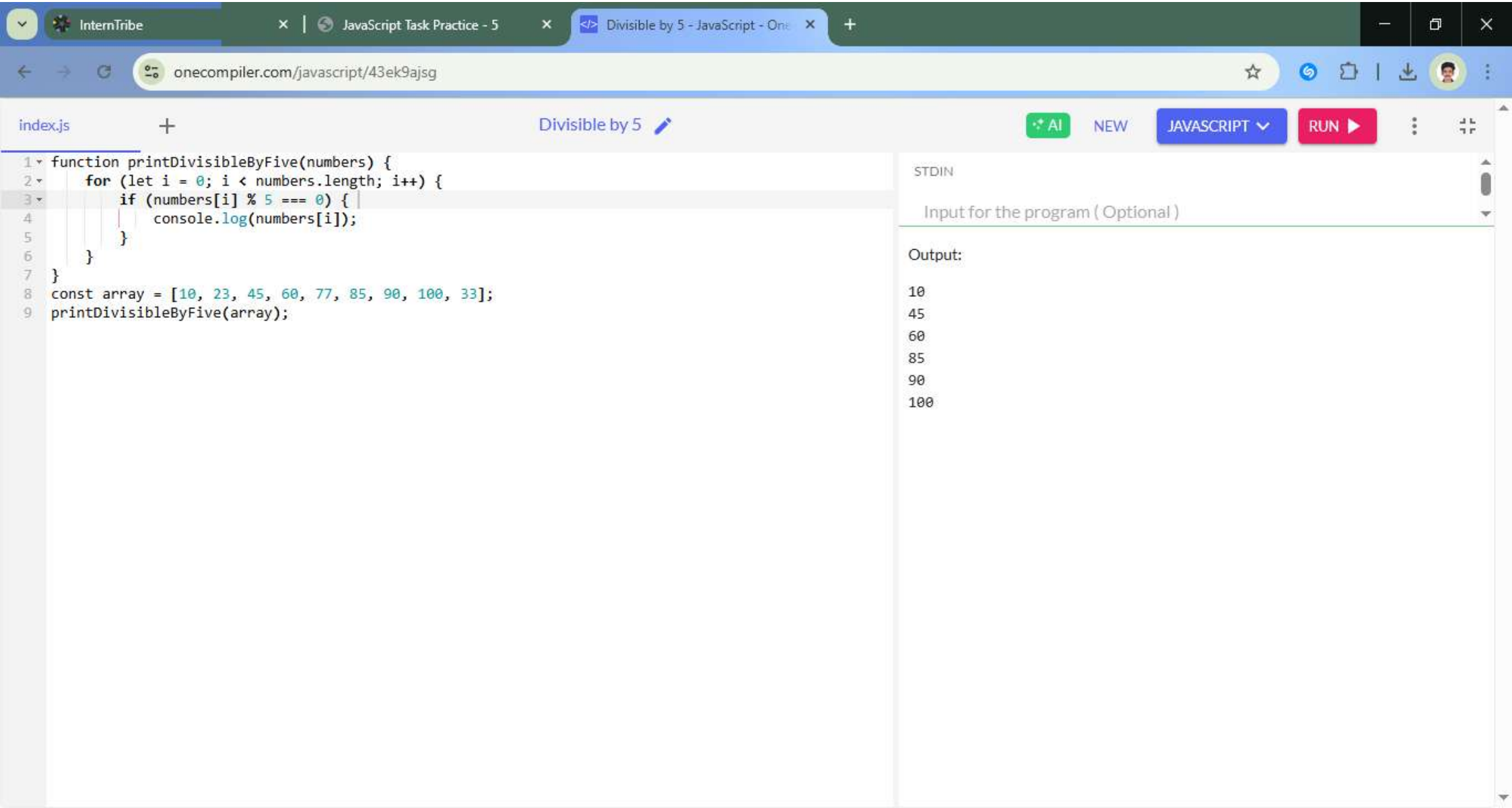
```
function checkFirstAndLastSame(arr) {
    if (arr.length > 0) {
        return arr[0] === arr[arr.length - 1];
    }
    return false;
}
const list = [10, 20, 30, 40, 10];
const result = checkFirstAndLastSame(list);
console.log(`Given List: ${list}`);
console.log(`Result: ${result}`);
```

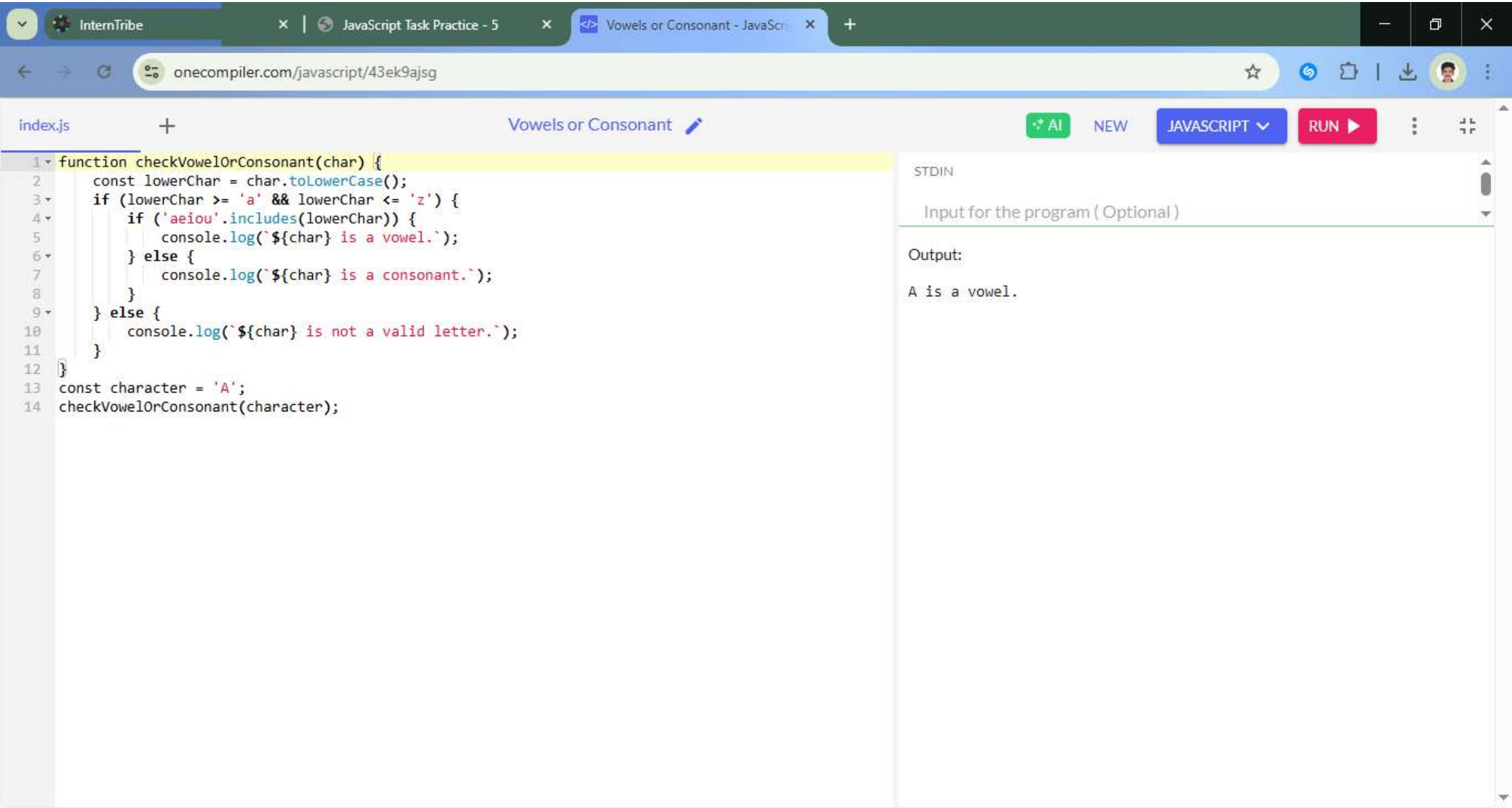
STDIN

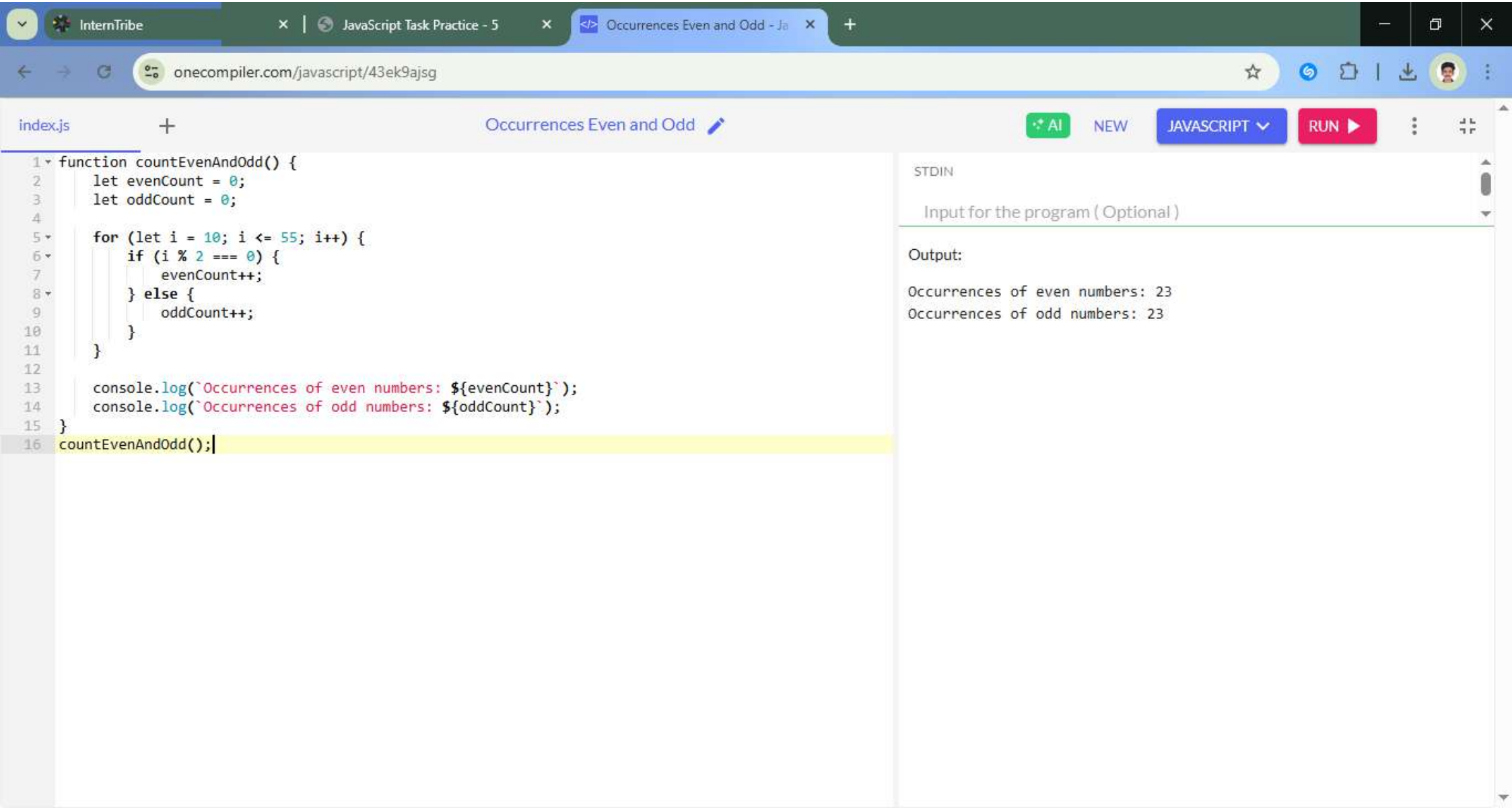
Input for the program (Optional)

Output:

```
Given List: 10,20,30,40,10
Result: true
```


InternTribe
JavaScript Task Practice - 5
Divisible by 5 - JavaScript - On
onecompiler.com/javascript/43ek9ajsg
index.js
Divisible by 5
AI
NEW
JAVASCRIPT
RUN
function printDivisibleByFive(numbers) {
for (let i = 0; i < numbers.length; i++) {
if (numbers[i] % 5 === 0) {
console.log(numbers[i]);
}
}
}
const array = [10, 23, 45, 60, 77, 85, 90, 100, 33];
printDivisibleByFive(array);
STDIN
Input for the program (Optional)
Output:
10
45
60
85
90
100


InternTribe
JavaScript Task Practice - 5
Vowels or Consonant - JavaScri
onecompiler.com/javascript/43ek9ajsg
index.js
Vowels or Consonant
AI
NEW
JAVASCRIPT
RUN
function checkVowelOrConsonant(char) {
const lowerChar = char.toLowerCase();
if (lowerChar >= 'a' && lowerChar <= 'z') {
if ('aeiou'.includes(lowerChar)) {
console.log(`${char} is a vowel.`);
} else {
console.log(`${char} is a consonant.`);
}
} else {
console.log(`${char} is not a valid letter.`);
}
}
const character = 'A';
checkVowelOrConsonant(character);
STDIN
Input for the program (Optional)
Output:
A is a vowel.


InternTribe
JavaScript Task Practice - 5
Occurrences Even and Odd - Ja
onecompiler.com/javascript/43ek9ajsg
index.js
Occurrences Even and Odd
AI
NEW
JAVASCRIPT
RUN
function countEvenAndOdd() {
let evenCount = 0;
let oddCount = 0;
for (let i = 10; i <= 55; i++) {
if (i % 2 === 0) {
evenCount++;
} else {
oddCount++;
}
}
console.log(`Occurrences of even numbers: ${evenCount}`);
console.log(`Occurrences of odd numbers: ${oddCount}`);
}
countEvenAndOdd();
STDIN
Input for the program (Optional)
Output:
Occurrences of even numbers: 23
Occurrences of odd numbers: 23

InternTribe | JavaScript Task Practice - 5 | 14.Python Print no 1to25 - Pyt

onecompiler.com/python/43ekcmvtv

main.py

14.Python Print no 1to25

AI NEW PYTHON RUN

```python
def print_numbers_excluding_multiples_of_5():
    for i in range(1, 26):
        if i % 5 != 0:
            print(i)
print_numbers_excluding_multiples_of_5()
```

STDIN

Input for the program (Optional)

Output:

```
1
2
3
4
6
7
8
9
11
12
13
14
16
17
18
19
21
22
23
24
```

InternTribe | JavaScript Task Practice - 5 | Factorial of each No - JavaScrip

onecompiler.com/javascript/43ekcvmfv

index.js

Factorial of each No

AI NEW JAVASCRIPT RUN

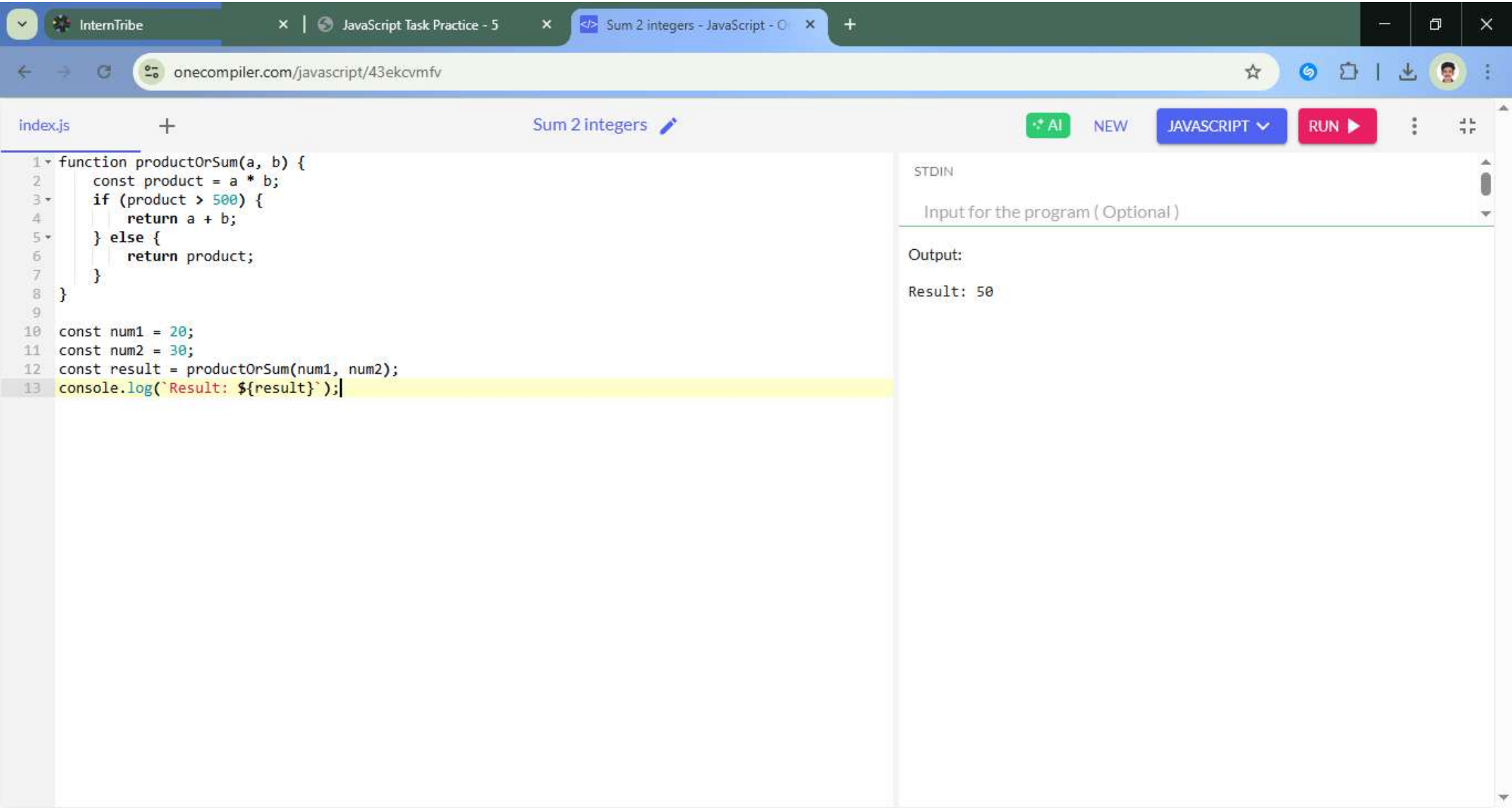
```
function factorial(n) {
    if (n === 0 || n === 1) {
        return 1;
    }
    let result = 1;
    for (let i = 2; i <= n; i++) {
        result *= i;
    }
    return result;
}

function calculateFactorials(arr) {
    const factorials = [];
    for (let number of arr) {
        factorials.push(factorial(number));
    }
    return factorials;
}

const numbers = [3, 4, 5];
const factorials = calculateFactorials(numbers);
for (let i = 0; i < numbers.length; i++) {
    console.log(`Factorial of ${numbers[i]} is ${factorials[i]}`);
}
```

STDIN

Input for the program (Optional)

Output:

```
Factorial of 3 is 6
Factorial of 4 is 24
Factorial of 5 is 120
```


InternTribe
JavaScript Task Practice - 5
Sum 2 integers - JavaScript - O
onecompiler.com/javascript/43ekcvmfv
index.js
Sum 2 integers
AI
NEW
JAVASCRIPT
RUN
function productOrSum(a, b) {
const product = a * b;
if (product > 500) {
return a + b;
} else {
return product;
}
}
const num1 = 20;
const num2 = 30;
const result = productOrSum(num1, num2);
console.log(`Result: ${result}`);
STDIN
Input for the program (Optional)
Output:
Result: 50

InternTribe | JavaScript Task Practice - 5 | Greatest 2No - JavaScript - On

onecompiler.com/javascript/43ekcvmfv

index.js

Greatest 2No

AI NEW JAVASCRIPT RUN

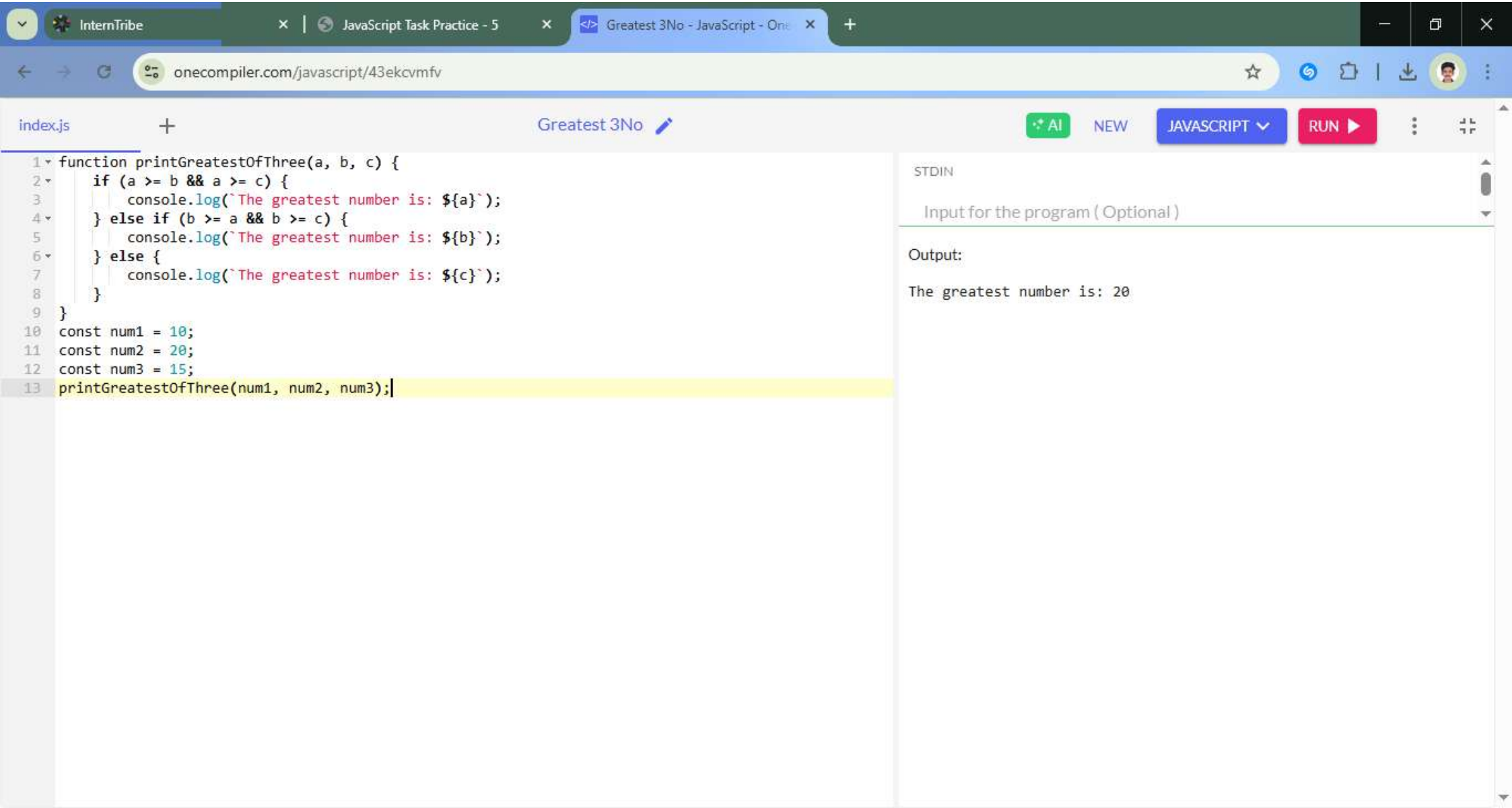
```
function printGreatestNumber(a, b) {
    if (a > b) {
        console.log(`The greatest number is: ${a}`);
    } else if (b > a) {
        console.log(`The greatest number is: ${b}`);
    } else {
        console.log(`Both numbers are equal: ${a}`);
    }
}
const num1 = 10;
const num2 = 20;
printGreatestNumber(num1, num2);
```

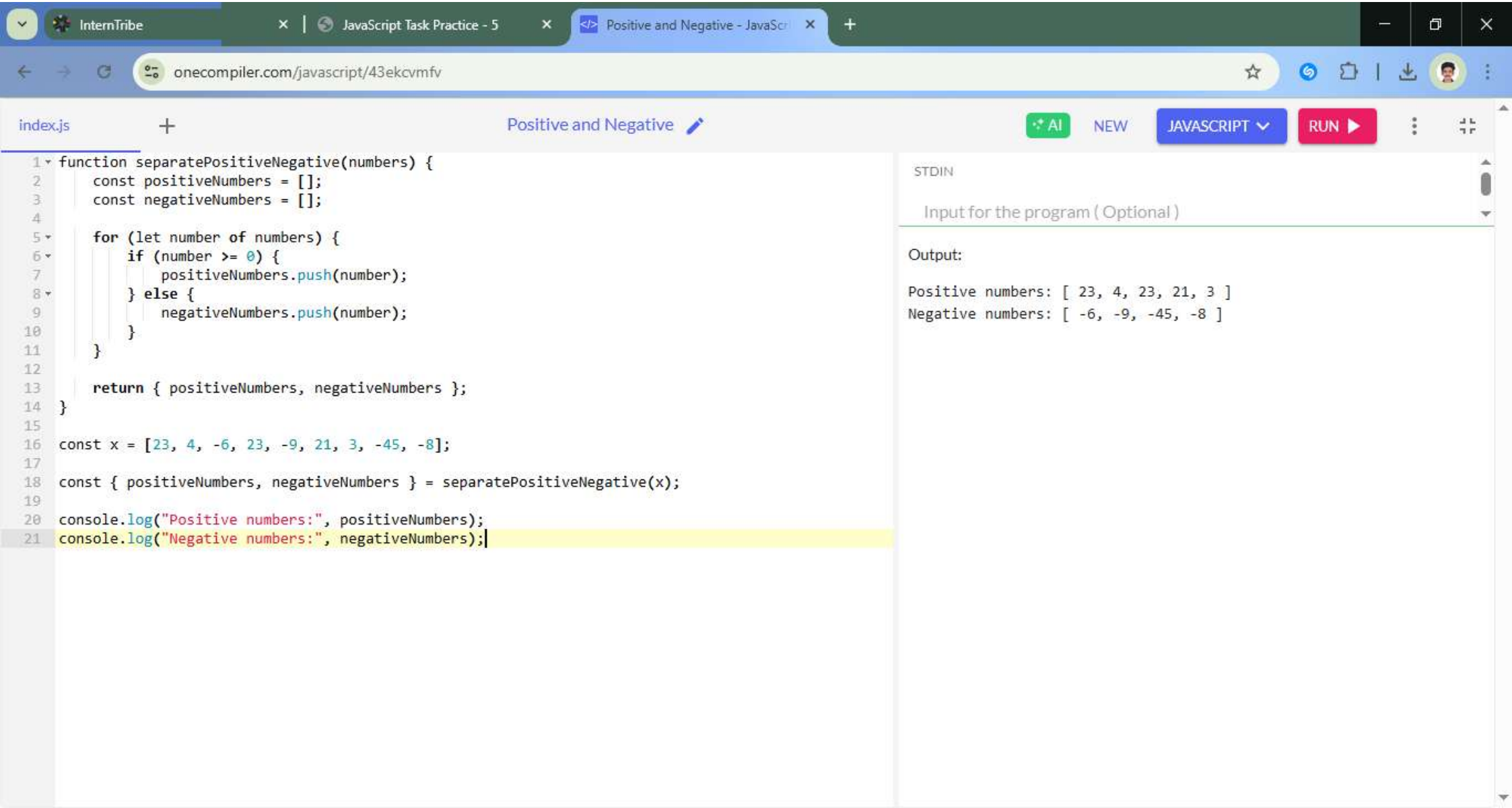
STDIN

Input for the program (Optional)

Output:

```
The greatest number is: 20
```


InternTribe
JavaScript Task Practice - 5
Greatest 3No - JavaScript - On
onecompiler.com/javascript/43ekcvmfv
index.js
Greatest 3No
AI
NEW
JAVASCRIPT
RUN
function printGreatestOfThree(a, b, c) {
if (a >= b && a >= c) {
console.log(`The greatest number is: ${a}`);
} else if (b >= a && b >= c) {
console.log(`The greatest number is: ${b}`);
} else {
console.log(`The greatest number is: ${c}`);
}
}
const num1 = 10;
const num2 = 20;
const num3 = 15;
printGreatestOfThree(num1, num2, num3);
STDIN
Input for the program (Optional)
Output:
The greatest number is: 20


InternTribe
JavaScript Task Practice - 5
Positive and Negative - JavaScr
onecompiler.com/javascript/43ekcvmfv
index.js
Positive and Negative
AI
NEW
JAVASCRIPT
RUN
function separatePositiveNegative(numbers) {
const positiveNumbers = [];
const negativeNumbers = [];
for (let number of numbers) {
if (number >= 0) {
positiveNumbers.push(number);
} else {
negativeNumbers.push(number);
}
}
return { positiveNumbers, negativeNumbers };
}
const x = [23, 4, -6, 23, -9, 21, 3, -45, -8];
const { positiveNumbers, negativeNumbers } = separatePositiveNegative(x);
console.log("Positive numbers:", positiveNumbers);
console.log("Negative numbers:", negativeNumbers);
STDIN
Input for the program (Optional)
Output:
Positive numbers: [23, 4, 23, 21, 3]
Negative numbers: [-6, -9, -45, -8]