

Task 5

ITI

Full Stack

—

Mohamed Salem Mohamed Soliman

—

Maximum number of three

The screenshot shows a VS Code editor with a file named `task5.js` containing two functions: `max1` and `max2`. `max1` uses nested `if` statements to compare three numbers `a`, `b`, and `c`. `max2` uses `if` and `else if` statements. The code also includes `console.log` statements to test these functions with the values 3, 7, and 5. The console output on the right shows the results of these tests.

```
1 function max1(a, b, c) {
2   if (a >= b) {
3     if (a >= c) {
4       return a;
5     } else {
6       return c;
7     }
8   } else {
9     if (b >= c) {
10      return b;
11    } else {
12      return c;
13    }
14  }
15 }
16
17 function max2(a, b, c) {
18   if (a >= b && a >= c) {
19     return a;
20   } else if (b >= a && b >= c) {
21     return b;
22   } else {
23     return c;
24   }
25 }
26
27 console.log('Max Nested(3, 7, 5):', max1(3, 7, 5));
28 console.log('Max Combined(3, 7, 5):', max2(3, 7, 5));
29
```

Console Output:

```
Max Nested(3, 7, 5): 7
Max Combined(3, 7, 5): 7
```

Calculator with if else

The screenshot shows a VS Code editor with a file named `task5.js` containing a `calculator` function. The function uses `if` and `else if` statements to handle different arithmetic operations: addition, subtraction, multiplication, division, and modulus. It also includes error handling for division by zero and invalid operators. The code includes `console.log` statements to test the calculator with various inputs. The console output on the right shows the results of these tests.

```
1 function calculator(a, b, symbol) {
2   if (symbol === '+') {
3     return a + b;
4   } else if (symbol === '-') {
5     return a - b;
6   } else if (symbol === '*') {
7     return a * b;
8   } else if (symbol === '/') {
9     if (b === 0) return 'Division by zero';
10    return a / b;
11  } else if (symbol === '%') {
12    return a % b;
13  } else {
14    return 'Invalid operator';
15  }
16 }
17
18
19 console.log(calculator(10, 5, '+')); // 15
20 console.log(calculator(10, 5, '-')); // 5
21 console.log(calculator(10, 5, '*')); // 50
22 console.log(calculator(10, 5, '/')); // 2
23 console.log(calculator(10, 0, '/')); // Division by zero
24 console.log(calculator(10, 5, '%')); // 0
25 console.log(calculator(10, 5, '^')); // Invalid operator

```

Console Output:

```
15
5
50
2
Division by zero
0
Invalid operator
```