```js
function productOrSum(a, b) {
    const product = a * b;
    return product > 500 ? a + b : product;
}

console.log(productOrSum(20, 30));
console.log(productOrSum(10, 20));
```

sprint2 > JavaScript Pre-Assessment 3 > JS ex1.js > ...

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex1.js
50
200
```

```js
function greatestOfThree(a, b, c) {
    return Math.max(a, b, c);
}

console.log(greatestOfThree(10, 50, 30));
```

sprint2 > JavaScript Pre-Assessment 3 > JS ex2.js > ...

Debug Console (Ctrl+Shift+Y)

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex2.js
50
```

ex3.js

sprint2 > JavaScript Pre-Assessment 3 > JS ex3.js > ...

```javascript
function removeDuplicates(arr) {
    return [...new Set(arr)];
}

console.log(removeDuplicates([1, 2, 2, 3, 4, 4, 5]));
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex3.js
> (5) [1, 2, 3, 4, 5]
```

ex4.js

sprint2 > JavaScript Pre-Assessment 3 > JS ex4.js > ...

```javascript
function removeElement(arr, value) {
    return arr.filter(item => item !== value);
}

console.log(removeElement([3, 2, 2, 3], 3));
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex4.js
> (2) [2, 2]
```

```js
function hasDuplicates(arr) {
    return new Set(arr).size !== arr.length;
}

console.log(hasDuplicates([1, 2, 3, 1]));
console.log(hasDuplicates([1, 2, 3, 4]));
```

sprint2 > JavaScript Pre-Assessment 3 > JS ex5.js > ...

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex5.js
true
false
```

```js
function addDigits(num) {
    while (num >= 10) {
        num = num.toString().split('').reduce((a, b) => a + parseInt(b), 0);
    }
    return num;
}

console.log(addDigits(38));
```

sprint2 > JavaScript Pre-Assessment 3 > JS ex6.js > ...

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex6.js
2
```

ex7.js ×

sprint2 > JavaScript Pre-Assessment 3 > JS ex7.js > ⬡ duplicateZeros

```javascript
 8              } else {
 9                  i++;
10              }
11          }
12          return arr;
13      }
14
15      console.log(duplicateZeros([1, 0, 2, 3, 0, 4, 5, 0]));
16
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex7.js
> (8) [1, 0, 0, 2, 3, 0, 0, 4]

---

ex8.js ×

sprint2 > JavaScript Pre-Assessment 3 > JS ex8.js > …

```javascript
1   function intersection(nums1, nums2) {
2       return [...new Set(nums1.filter(num => nums2.includes(num)))];
3   }
4
5   console.log(intersection([1, 2, 2, 1], [2, 2]));
6
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

C:\Program Files\nodejs\node.exe .\sprint2\JavaScript Pre-Assessment 3\ex8.js
> (1) [2]