

JS ex1.js X

sprint2 > javascript Task Practice - 4 > JS ex1.js > ...

```
1 function checkNumber(num) {
2   if (num > 0) console.log("Positive");
3   else if (num < 0) console.log("Negative");
4   else console.log("Zero");
5 }
6 checkNumber(5);
7 checkNumber(-3);
8 checkNumber(0);
9
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex1.js
Positive
Negative
Zero

JS ex2.js X

sprint2 > javascript Task Practice - 4 > JS ex2.js > ...

```
1 function checkEvenOdd(num) {
2   console.log(num % 2 === 0 ? "Even" : "Odd");
3 }
4 checkEvenOdd(4);
5 checkEvenOdd(7);
6
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex2.js
Even
Odd

JS ex3.js X

sprint2 > javascript Task Practice - 4 > JS ex3.js > ...

```
1 function power(base, exponent) {  
2   |   console.log(base ** exponent);  
3   |  
4   | power(5, 2);  
5   |
```

PROBLEMS OUTPUT **DEBUG CONSOLE** TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex3.js
25

JS ex4.js X

sprint2 > javascript Task Practice - 4 > JS ex4.js > ...

```
1 function compareNumbers(a, b) {  
2   |   if (a > b) console.log(`${a} is greater than ${b}`);  
3   |   else if (a < b) console.log(`${b} is greater than ${a}`);  
4   |   else console.log(`${a} and ${b} are equal`);  
5   |  
6   | compareNumbers(10, 20);  
7   | compareNumbers(15, 15);  
8   |
```

PROBLEMS OUTPUT **DEBUG CONSOLE** TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex4.js
20 is greater than 10
15 and 15 are equal

JS ex5.js X

sprint2 > javascript Task Practice - 4 > JS ex5.js > ...

```
1 function isLeapYear(year) {
2     if ((year % 4 === 0 && year % 100 !== 0) || year % 400 === 0)
3         console.log(`${year} is a leap year`);
4     else
5         console.log(`${year} is not a leap year`);
6 }
7 isLeapYear(2024);
8 isLeapYear(1900);
9
```

PROBLEMS OUTPUT **DEBUG CONSOLE** TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex5.js
2024 is a leap year
1900 is not a leap year

JS ex6.js X

sprint2 > javascript Task Practice - 4 > JS ex6.js > ...

```
1 function calculateGrade(score) {
2     if (score >= 90) console.log("Grade: A");
3     else if (score >= 80) console.log("Grade: B");
4     else if (score >= 70) console.log("Grade: C");
5     else if (score >= 60) console.log("Grade: D");
6     else console.log("Grade: F");
7 }
8 calculateGrade(85);
9 calculateGrade(72);
10
```

PROBLEMS OUTPUT **DEBUG CONSOLE** TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex6.js
Grade: B
Grade: C

JS ex7.js X

sprint2 > javascript Task Practice - 4 > JS ex7.js > ...

```
1 function ageMessage(age) {
2     if (age < 16) console.log("You can't drive.");
3     else if (age >= 16 && age < 18) console.log("You can drive but not vote.");
4     else if (age >= 18 && age < 25) console.log("You can vote but not rent a car.");
5     else console.log("You can do pretty much anything.");
6 }
7 ageMessage(15);
8 ageMessage(17);
9 ageMessage(20);
10 ageMessage(30);
11
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

```
C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex7.js
You can't drive.
You can drive but not vote.
You can vote but not rent a car.
You can do pretty much anything.
```

JS ex8.js X

sprint2 > javascript Task Practice - 4 > JS ex8.js > ...
1 for (let i = 1; i <= 100; i++) {
2 if (i % 3 === 0 && i % 5 === 0) console.log("FizzBuzz");
3 else if (i % 3 === 0) console.log("Fizz");
4 else if (i % 5 === 0) console.log("Buzz");
5 else console.log(i);
6 }
7

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex8.js
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
16
17
Fizz
19
Buzz
Fizz
22
23
Fizz
Buzz
26
Fizz
28
29
FizzBuzz
31
32
Fizz
34
Buzz
Fizz
37
38
Fizz
Buzz
41
Fizz
43
44
FizzBuzz
46
47
Fizz
49
Buzz
Fizz

```
52
53
Fizz
Buzz
56
Fizz
58
59
FizzBuzz
61
62
Fizz
64
Buzz
Fizz
67
68
Fizz
Buzz
71
Fizz
73
74
FizzBuzz
76
77
Fizz
79
Buzz
Fizz
82
83
Fizz
Buzz
86
Fizz
88
89
FizzBuzz
91
92
Fizz
94
Buzz
Fizz
97
98
Fizz
Buzz
```

JS ex9.js X

sprint2 > javascript Task Practice - 4 > JS ex9.js > ...

```
1 function isLeapYear(year) {
2   |   if ((year % 4 === 0 && year % 100 !== 0) || year % 400 === 0)
3   |     console.log(`${year} is a leap year`);
4   |   else
5   |     console.log(`${year} is not a leap year`);
6   | }
7
8   isLeapYear(2024);
9   isLeapYear(1900);
10  isLeapYear(2000);
11
```

PROBLEMS OUTPUT **DEBUG CONSOLE** TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\sprint2\javascript Task Practice - 4\ex9.js
2024 is a leap year
1900 is not a leap year
2000 is a leap year