

```
day3 > practice > JS task4.js > ...
1 // task1
2
3 let a = -11
4 if(a>0){
5     console.log("the number is positive")
6 }
7 else{
8     console.log("the number is negative")
9 }
10
11 // task2
12
13 // let a = 11
14 // if(a%2==0){
15 //     console.log("number is even")
16 // }
17 // else{
18 //     console.log("number is odd")
19 // }
20
21 // task3
22
23 // let base = 5
24 // let exponent = 2
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Buzz
Fizz
Fizz
Buzz
Fizz
Fizz
Buzz
Fizz
Fizz

PS D:\karka\day3\practice> node task4
the number is negative
PS D:\karka\day3\practice>

```
day3 > practice > JS task4.js > ...
1 // task1
2
3 // let a = -11
4 // if(a>0){
5 //     console.log("the number is positive")
6 // }
7 // else{
8 //     console.log("the number is negative")
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10
11 // task2
12
13 let a = 11
14 if(a%2==0){
15     console.log("number is even")
16 }
17 else{
18     console.log("number is odd")
19 }
20
21 // task3
22
23 // let base = 5
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```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Fizz
Buzz
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PS D:\karka\day3\practice> node task4
the number is negative
PS D:\karka\day3\practice> node task4
number is odd
PS D:\karka\day3\practice>

The screenshot shows the VS Code editor with the Explorer sidebar on the left. The file explorer shows a project structure with folders 'day1', 'day2', and 'day3'. Under 'day3', there is a 'practice' folder containing 'task4.js', 'task5.js', and 'task1.js'. The main editor window displays the content of 'task4.js'. The code defines a function 'task4' that takes a number 'a' as input. It uses a series of if-else statements to check if 'a' is even, odd, or negative. If 'a' is even, it logs 'number is even'. If 'a' is odd, it logs 'number is odd'. If 'a' is negative, it logs 'the number is negative'. The function is then called with the value 25. The terminal at the bottom shows the output of running 'node task4' in the PowerShell terminal, which matches the expected output: 'Fizz', 'Fizz', 'Buzz', 'Fizz', 'the number is negative', 'number is odd', and '25'.

```
day3 > practice > JS task4.js > ...
11 // task4
12
13 // let a = 11
14 // if(a%2==0){
15 //     console.log("number is even")
16 // }
17 // else{
18 //     console.log("number is odd")
19 // }
20
21 // task3
22
23 let base = 5
24 let exponent = 2
25
26 let result = base ** exponent;
27
28 console.log(result)
29
30 // task4
31
32 // let a = 5
33 // let b = 10
34 // if(a>b){
35 //     console.log("a is greatest")
36 // }
37 // else{
38 //     console.log("b is greatest")
39 // }
40
41 // task5
42
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\karka\day3\practice> node task4
Fizz
Fizz
Buzz
Fizz
the number is negative
number is odd
25
PS D:\karka\day3\practice>

The screenshot shows the VS Code editor with the Explorer sidebar on the left. The file explorer shows a project structure with folders 'day1', 'day2', and 'day3'. Under 'day3', there is a 'practice' folder containing 'task4.js', 'task5.js', and 'task1.js'. The main editor window displays the content of 'task4.js'. The code defines a function 'task4' that takes a number 'a' as input. It uses a series of if-else statements to check if 'a' is even, odd, or negative. If 'a' is even, it logs 'number is even'. If 'a' is odd, it logs 'number is odd'. If 'a' is negative, it logs 'the number is negative'. The function is then called with the value 25. The terminal at the bottom shows the output of running 'node task4' in the PowerShell terminal, which matches the expected output: 'Fizz', 'Fizz', 'Buzz', 'Fizz', 'the number is negative', 'number is odd', and '25'.

```
day3 > practice > JS task4.js > ...
19 // }
20
21 // task3
22
23 // let base = 5
24 // let exponent = 2
25
26 // let result = base ** exponent;
27
28 // console.log(result)
29
30 // task4
31
32 let a = 5
33 let b = 10
34 if(a>b){
35     console.log("a is greatest")
36 }
37 else{
38     console.log("b is greatest")
39 }
40
41 // task5
42
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\karka\day3\practice> node task4
Buzz
Fizz
the number is negative
number is odd
25
b is greatest
PS D:\karka\day3\practice>

The screenshot shows the VS Code editor with the Explorer sidebar on the left. The file explorer shows a project named 'KARKA' with a folder 'day3' containing a subfolder 'practice' and several JavaScript files. The file 'task4.js' is selected and open in the editor. The code in 'task4.js' is as follows:

```
30 // task4
31
32 // let a = 5
33 // let b = 10
34 // if(a>b){
35 //     console.log("a is greatest")
36 // }
37 // else{
38 //     console.log("b is greatest")
39 // }
40
41 // task5
42
43 let year = 2024
44
45 if ((year % 4 === 0 && year % 100 !== 0) || (year % 400 === 0)) {
46     console.log(year + " is a Leap Year.")
47 } else {
48     console.log(year + " is NOT a Leap Year.")
49 }
50
51 // task6
52
```

The terminal at the bottom shows the following output:

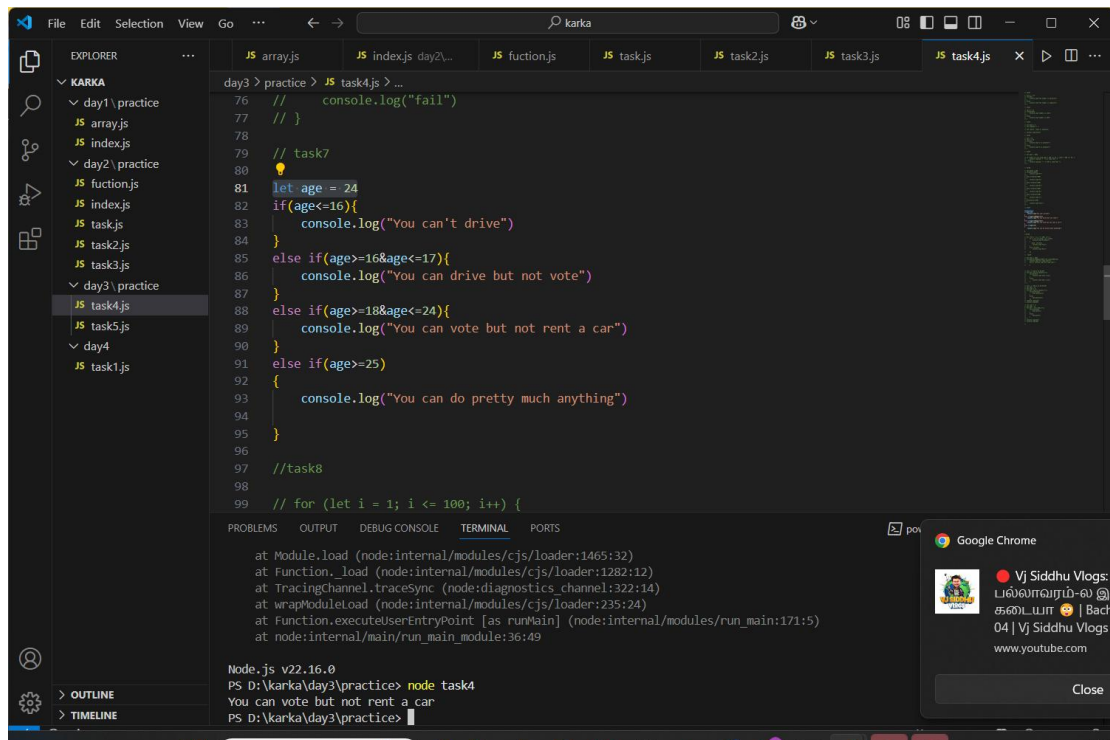
```
PS D:\karka\day3\practice> node task4
the number is negative
PS D:\karka\day3\practice> node task4
number is odd
PS D:\karka\day3\practice> node task4
25
PS D:\karka\day3\practice> node task4
b is greatest
PS D:\karka\day3\practice> node task4
2024 is a Leap Year.
PS D:\karka\day3\practice>
```

The screenshot shows the VS Code editor with the Explorer sidebar on the left. The file explorer shows a project named 'KARKA' with a folder 'day3' containing a subfolder 'practice' and several JavaScript files. The file 'task4.js' is selected and open in the editor. The code in 'task4.js' is as follows:

```
52 // task6
53
54 let marks = 200
55 if(marks>=450){
56     console.log("A+")
57 }
58 else if(marks>=400)
59 {
60     console.log("A")
61 }
62 else if(marks>=350)
63 {
64     console.log("B+")
65 }
66 else if(marks>=300)
67 {
68     console.log("B")
69 }
70 else if(marks>=250)
71 {
72     console.log("C")
73 }
74 else(marks<=250)
75 {
76     console.log("fail")
77 }
78
```

The terminal at the bottom shows the following output:

```
PS D:\karka\day3\practice> node task4
number is odd
PS D:\karka\day3\practice> node task4
25
PS D:\karka\day3\practice> node task4
b is greatest
PS D:\karka\day3\practice> node task4
2024 is a Leap Year.
PS D:\karka\day3\practice> node task4
fail
PS D:\karka\day3\practice>
```



```
94
95 // }
96
97 //task8
98
99 for (let i = 1; i <= 100; i++) {
100   ... if (i % 3 === 0 && i % 5 === 0){
101     ... console.log("FizzBuzz")
102   }
103   ... else if(i%3){
104     ... console.log("Fizz")
105   }
106   ... else if(i%5){
107     ... console.log("Buzz")
108   }
109 }
110
111 // task9
112
113 // let year = 2024
114 // if((year%4==0&&year%100!=0)||year%400==0){
115 //   console.log("its leap year")}
116 //   else { console.log("not leap year")}
117
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Fizz
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FizzBuzz
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Fizz
Fizz

Google Chrome

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```
97 //task8
98
99 // for (let i = 1; i <= 100; i++) {
100 //   // if (i % 3 === 0 && i % 5 === 0){
101 //     // console.log("FizzBuzz")
102 //   }
103 //   // else if(i%3){
104 //     // console.log("Fizz")
105 //   }
106 //   // else if(i%5){
107 //     // console.log("Buzz")
108 //   }
109 // }
110
111 // task9
112
113 let year = 2024
114 if((year%4==0&&year%100!=0)||year%400==0){
115   console.log("its leap year")}
116   else { console.log("not leap year")}
117
118
119
120
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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PS D:\karka\day3\practice> node task4
its leap year
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