

day2 > practice > JS task.js > ...

```
1 // task 2
2
3 // let a = 10
4 // let b = 20
5 // let c = a+b
6 // console.log(c)
7
8 // task3
9
10 function mul(pi,r,r){
11     let areaofcircle = pi*r*r
12     console.log(areaofcircle)
13 }
14
15 mul(3.14,10,10)
16
17 // task4
18
19 // function mul(l,w){
20 //     let areaofrectangle = l*w
21 //     console.log(areaofrectangle)
22 // }
23 // mul(10,10)
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS


```
PS D:\karka> cd day2
PS D:\karka\day2> cd practice
PS D:\karka\day2\practice> node task
30
PS D:\karka\day2\practice> node task
314
PS D:\karka\day2\practice> 
```

```
JS index.js day2\... JS fuction.js JS task.js X JS task2.js JS task3.js
day2 > practice > JS task.js > ...
6 // console.log(c)
7
8 // task3
9
10 // function mul(pi,r,r){
11 //     let areaofcircle = pi*r*r
12 //     console.log(areaofcircle)
13
14 // }
15 // mul(3.14,10,10)
16
17 // task4
18 💡
19 function mul(l,w){
20     ...let areaofrectangle = l*w
21     ...console.log(areaofrectangle)
22 }
23 mul(10,10)
24
25 // task5
26
27 // function mul(b,h){
28 //     let areaoftriangle = b*h/2
29 //     console.log(areaoftriangle)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
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PS D:\karka\day2\practice> node task
30
PS D:\karka\day2\practice> node task
314
PS D:\karka\day2\practice> node task
100
PS D:\karka\day2\practice> 
```

day2 > practice > JS task.js > ...

```
16
17 // task4
18
19 function mul(l,w){
20     let areaofrectangle = l*w
21     console.log(areaofrectangle)
22 }
23 mul(10,10)
24
25 // task5
26 
27 function mul(b,h){
28     ... let areaoftriangle = b*h/2
29     ... console.log(areaoftriangle)
30 }
31 mul(10,10)
32
33 // task6,7
34
35 // let a = 10
36 // let b = 20
37 // let c = a+b
38 // console.log(c)
39
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

```
PS D:\karka\day2> cd practice
PS D:\karka\day2\practice> node task
30
PS D:\karka\day2\practice> node task
314
PS D:\karka\day2\practice> node task
100
PS D:\karka\day2\practice> node task
50
50
```

day2 > practice > JS task.js > ...

```
32
33 // task6,7
34
35 // let a = 10
36 // let b = 20
37 // let c = a+b
38 // console.log(c)
39
40 // let a = 10
41 // let b = 20
42 // let c = a*b
43 // console.log(c)
44
45 // let a = 10
46 // let b = 20
47 // let c = a/b
48 // console.log(c)
49
50 // let a = 10
51 // let b = 20
52 // let c = a%b
53 // console.log(c)
54
55 let a = 10
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS D:\karka\day2\practice> node task

30

PS D:\karka\day2\practice> node task

200

PS D:\karka\day2\practice> node task

0.5

PS D:\karka\day2\practice> node task

10

PS D:\karka\day2\practice> node task

-10

PS D:\karka\day2\practice>

VS Code editor showing JavaScript code for tasks 2 through 9. The code includes arithmetic operations and console logs. The terminal shows the output of running 'node task' for each task.

```
day2 > practice > JS taskjs
1 // task 2
61
62 // let a = 20
63 // a += 100
64 // console.log(a)
65
66 // let b = 20
67 // b -= 100
68 // console.log(b)
69
70 // let c = 20
71 // c *= 100
72 // console.log(c)
73
74 // let d = 20
75 // d /= 100
76 // console.log(d)
77
78 // let e = 20
79 // e %= 100
80 // console.log(e)
81
82 // task9
83
```

TERMINAL

```
PS D:\karka\day2\practice> node task
120
PS D:\karka\day2\practice> node task
-80
PS D:\karka\day2\practice> node task
2000
PS D:\karka\day2\practice> node task
0.2
PS D:\karka\day2\practice> node task
20
PS D:\karka\day2\practice>
```

VS Code editor showing JavaScript code for tasks 9 through 13. The code includes comparison operations and console logs. The terminal shows the output of running 'node task' for each task.

```
day2 > practice > JS taskjs
81 // task9
82
83
84 // let a = 10
85 // let b = 11
86 // console.log(a=b)
87
88 // let a = 10
89 // let b = 10
90 // console.log(a==b)
91
92 // let a = 10
93 // let b = 10
94 // console.log(a!=b)
95
96 // let a = 10
97 // let b = 10
98 // console.log(a>b)
99
100 // let a = 10
101 // let b = 10
102 // console.log(a>=b)
103
104 // let a = 10
105 // let b = 10
106 // console.log(a<b)
```

TERMINAL

```
PS D:\karka\day2\practice> node task
11
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice>
```

The screenshot shows the VS Code editor with a file named `task.js` open. The file contains a `task` function that takes two arguments, `a` and `b`, and returns a boolean value based on the following logic:

```
day2 > practice > JS task.js > ...
90 // console.log(a==b)
91
92 // let a = 10
93 // let b = 10
94 // console.log(a!=b)
95
96 // let a = 10
97 // let b = 10
98 // console.log(a>b)
99
100 // let a = 10
101 // let b = 10
102 // console.log(a>=b)
103
104 // let a = 10
105 // let b = 10
106 // console.log(a<b)
107
108 let a = 10
109 let b = 10
110 console.log(a<=b)
111
112 // task10
113
```

The terminal window shows the execution of the `task` function with various arguments:

```
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice>
```

The screenshot shows the VS Code editor with a file named `task.js` open. The file contains a `task` function that takes two arguments, `a` and `b`, and returns a boolean value based on the following logic:

```
day2 > practice > JS task.js > ...
127 // let b = 70
128 // console.log(a<30 && a>b)
129
130 // let a = 50
131 // let b = 70
132 // console.log(a<b || a>10)
133
134 // let a = 50
135 // let b = 70
136 // console.log(a>100 || a>30)
137
138 // let a = 50
139 // let b = 70
140 // console.log(a>30 || a>100)
141
142 let a = 50
143 let b = 70
144 console.log(a<30 || a>b)
145
146 // task11
147 // let a = 10
148 // let b = 20
149 // let c = a
150 // a = b
```

The terminal window shows the execution of the `task` function with various arguments:

```
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice>
```


The screenshot shows the VS Code editor with the Explorer sidebar on the left. The Explorer sidebar shows a project structure with folders 'day1\practice', 'day2\practice', 'day3\practice', and 'day4'. Under 'day2\practice', there are files 'array.js', 'index.js', 'function.js', 'task.js', 'task2.js', 'task3.js', 'task4.js', and 'task5.js'. The 'task.js' file is selected, showing the following code:

```
138 // let a = 50
139 // let b = 70
140 // console.log(a>30 || a>100)
141
142 // let a = 50
143 // let b = 70
144 // console.log(a<30 || a>b)
145
146 task11
147 let a = 10
148 let b = 20
149 let c = a
150 a = b
151 b = c
152 console.log("a=",a)
153 console.log("b=",b)
154
155 // task12
156 // let a = 10
157 // let b = 10
158 // let c = 10
159 // let average = (a+b+c)/3
160 // console.log(average)
161 // task13
```

The terminal window at the bottom shows the following output:

```
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
true
PS D:\karka\day2\practice> node task
false
PS D:\karka\day2\practice> node task
a= 20
b= 10
PS D:\karka\day2\practice> node task
10
```

The screenshot shows the VS Code editor with the Explorer sidebar on the left. The Explorer sidebar shows the same project structure as the first screenshot. The 'task.js' file is selected, showing the following code:

```
154
155 // task12
156 let a = 10
157 let b = 10
158 let c = 10
159 let average = (a+b+c)/3
160 console.log(average)
161 // task13
162 // let a = 10
163 let b = 30
164 let c = 12
165 let d = 3
166 let compound = (a+b)
167 let compound2 = (a+b)*c
168 let compound3 = (a+b)*(c)/(d)
169 console.log(compound)
170 console.log(compound2)
171 console.log(compound3)
172
173 // task14
174 // let tamil = 70
175 // let english = 80
176 // let maths = 90
177 // let science = 100
```

The terminal window at the bottom shows the following output:

```
false
PS D:\karka\day2\practice> node task
a= 20
b= 10
PS D:\karka\day2\practice> node task
10
PS D:\karka\day2\practice> node task
40
480
160
PS D:\karka\day2\practice>
```

