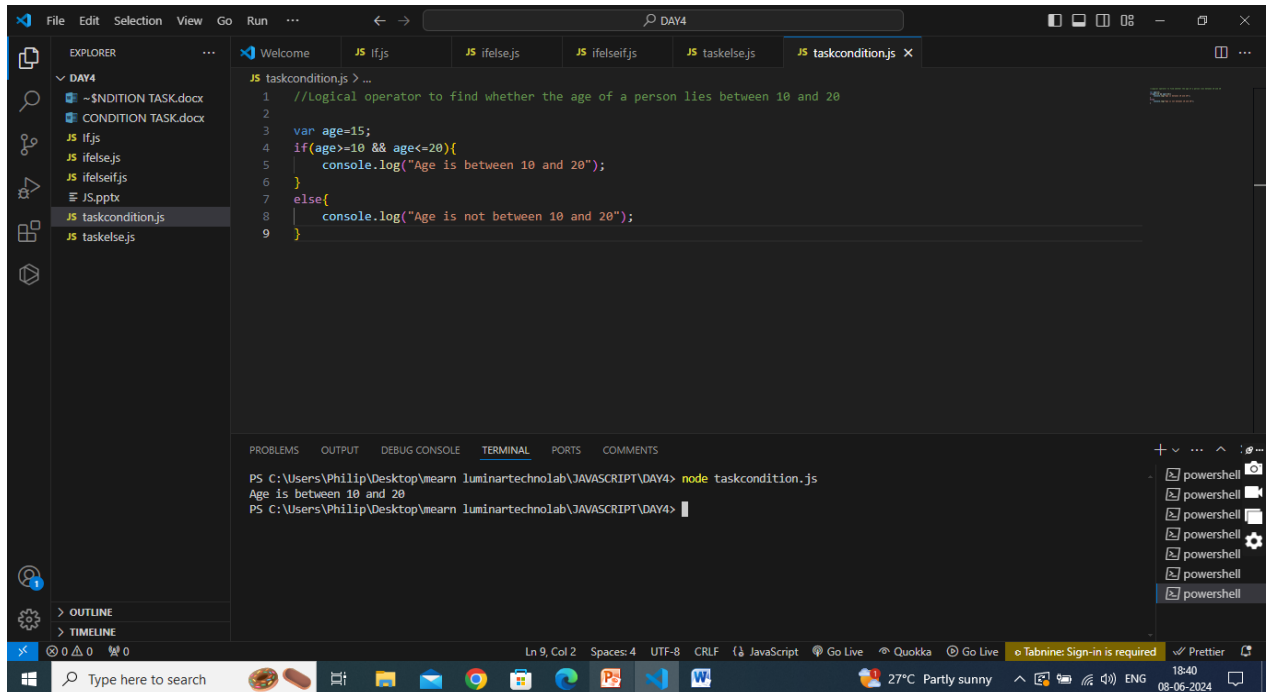


TASKS

1. Use logical operators to find whether the age of a person lies between 10 and 20?



```
1 //Logical operator to find whether the age of a person lies between 10 and 20
2
3 var age=15;
4 if(age>=10 && age<=20){
5     console.log("Age is between 10 and 20");
6 }
7 else{
8     console.log("Age is not between 10 and 20");
9 }
```

PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> node taskcondition.js

Age is between 10 and 20

PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4>

2. Demonstrate the use of switch case statements in js?

- Use the switch statement to select one of many code blocks to be executed.

- **Syntax :**

```
switch(expression) {
  case x:
    // code block
    break;
  case y:
    // code block
    break;
  default:
    // code block
}
```

How switch statement works:

- The switch expression is evaluated once.
- The value of the expression is compared with the values of each case.
- If there is a match, the associated block of code is executed.
- If there is no match, the default code block is executed.

Example

The `getDay()` method returns the weekday as a number between 0 and 6.

(Sunday=0, Monday=1, Tuesday=2 ..)

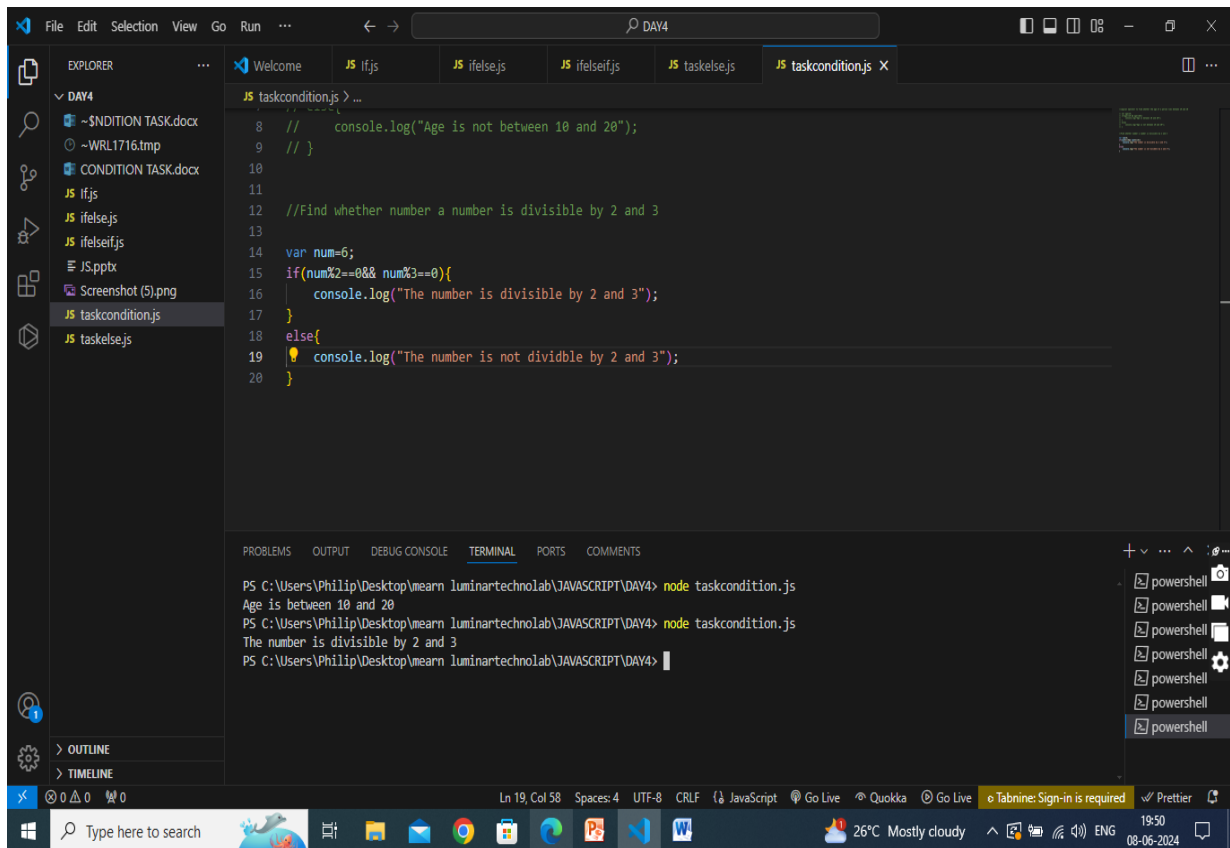
This example uses the weekday number to calculate the weekday name:

```
switch (new Date().getDay()) {  
  case 0:  
    day = "Sunday";  
    break;  
  case 1:  
    day = "Monday";  
    break;  
  case 2:  
    day = "Tuesday";  
    break;  
  case 3:  
    day = "Wednesday";  
    break;  
  case 4:  
    day = "Thursday";  
    break;  
  case 5:  
    day = "Friday";  
    break;  
  case 6:  
    day = "Saturday";  
}
```

OUTPUT: Saturday

3. Find whether a number is divisible by 2 and 3?

Logical AND

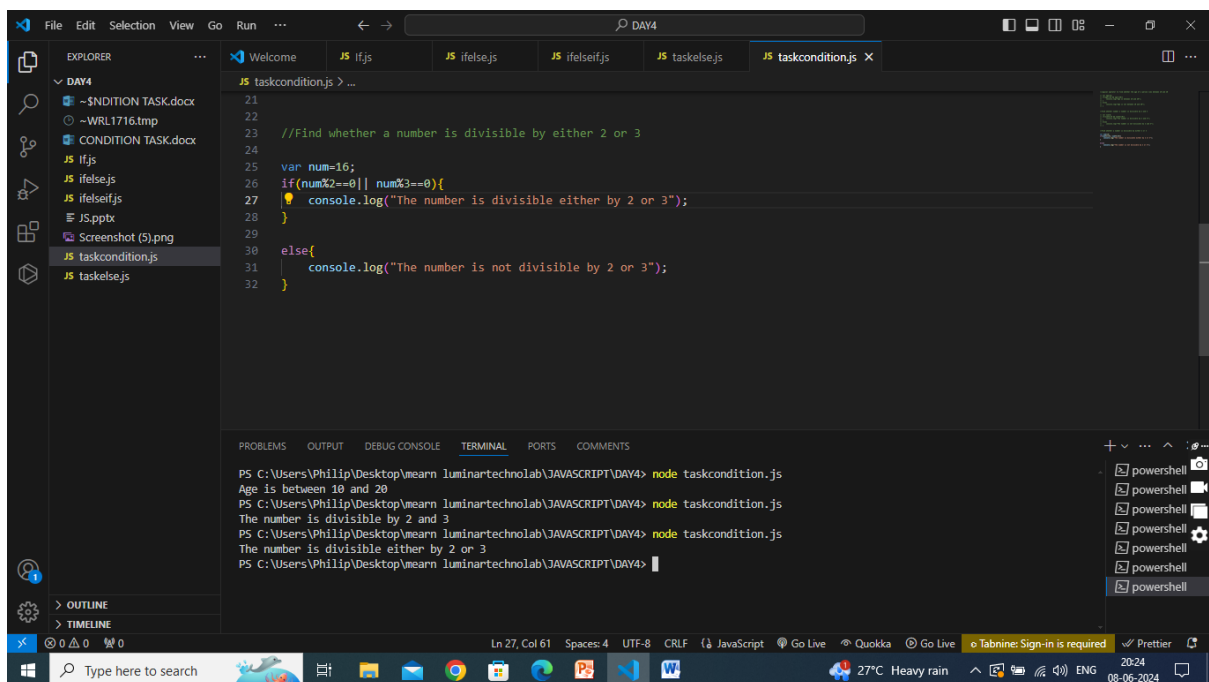


```
File Edit Selection View Go Run ... DAY4
EXPLORER
  DAY4
    ~$NDITION TASK.docx
    ~WRL1716.tmp
    CONDITION TASK.docx
    JS if.js
    JS ifelse.js
    JS ifelseif.js
    JS.pptx
    Screenshot (5).png
    JS taskcondition.js
    JS taskelse.js
  JS taskcondition.js > ...
8 // console.log("Age is not between 10 and 20");
9 // }
10
11
12 //Find whether a number is divisible by 2 and 3
13
14 var num=6;
15 if(num%2==0&& num%3==0){
16 | console.log("The number is divisible by 2 and 3");
17 }
18 else{
19 | console.log("The number is not dividble by 2 and 3");
20 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> node taskcondition.js
Age is between 10 and 20
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> node taskcondition.js
The number is divisible by 2 and 3
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> |
```

4. Find whether a number is divisible by either 2 or 3?

Logical OR

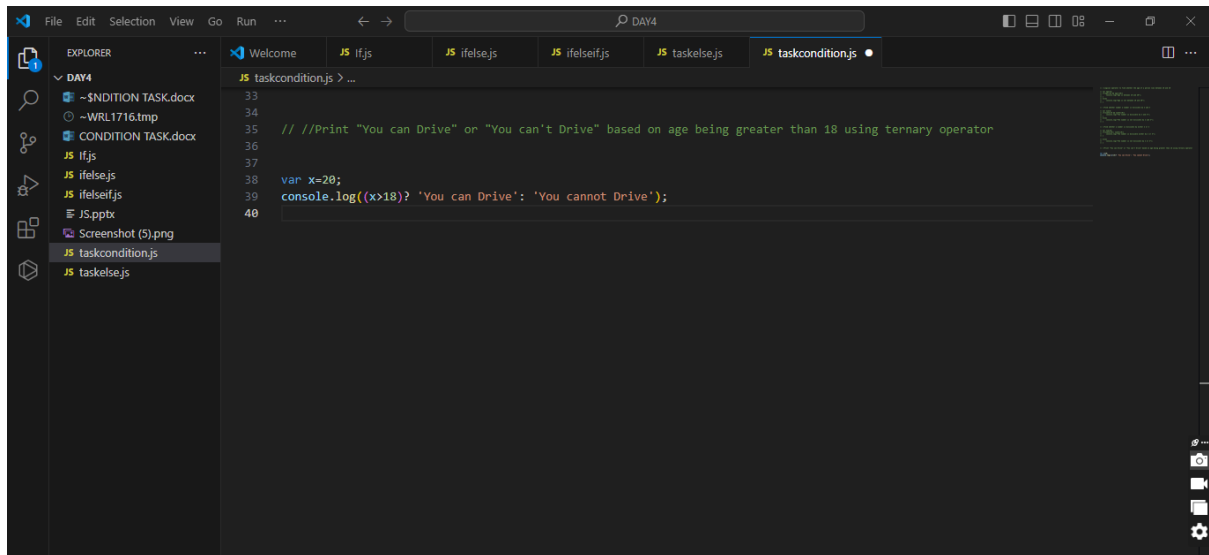


```
File Edit Selection View Go Run ... DAY4
EXPLORER
  DAY4
    ~$NDITION TASK.docx
    ~WRL1716.tmp
    CONDITION TASK.docx
    JS if.js
    JS ifelse.js
    JS ifelseif.js
    JS.pptx
    Screenshot (5).png
    JS taskcondition.js
    JS taskelse.js
  JS taskcondition.js > ...
21
22
23 //Find whether a number is divisible by either 2 or 3
24
25 var num=16;
26 if(num%2==0|| num%3==0){
27 | console.log("The number is divisible either by 2 or 3");
28 }
29
30 else{
31 | console.log("The number is not divisible by 2 or 3");
32 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> node taskcondition.js
Age is between 10 and 20
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> node taskcondition.js
The number is divisible by 2 and 3
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> node taskcondition.js
The number is divisible either by 2 or 3
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY4> |
```

5. Print "You can Drive" or "You can't Drive" based on age being greater than 18 using ternary operator?

Using Ternary operator



```
33
34
35 // //Print "You can Drive" or "You can't Drive" based on age being greater than 18 using ternary operator
36
37
38 var x=20;
39 console.log((x>18)? 'You can Drive': 'You cannot Drive');
40
```