

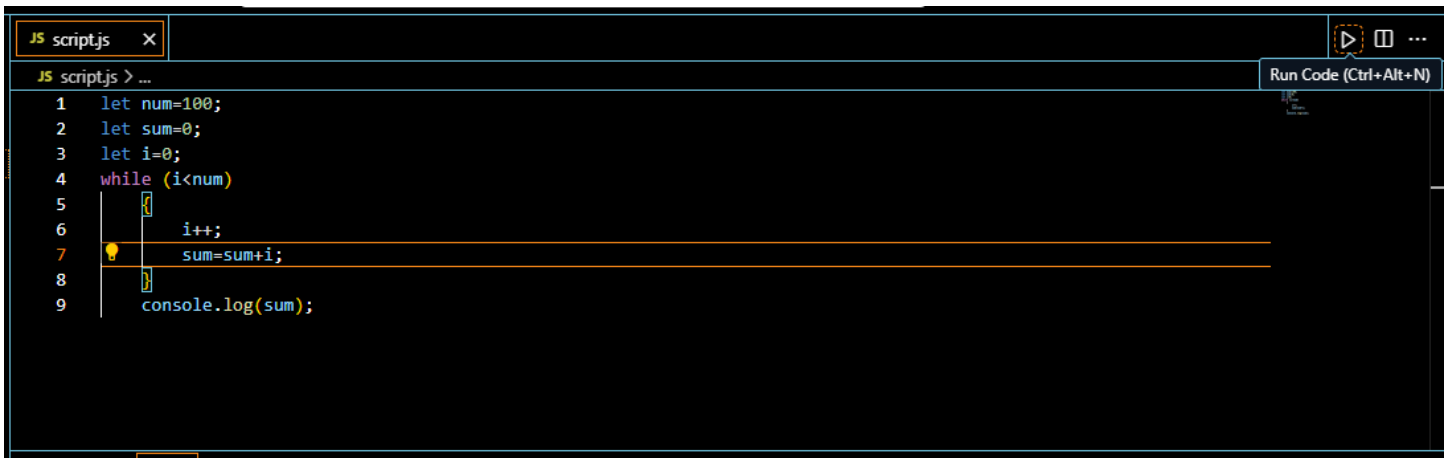
TRAINING REPORT (TR-102)

DAY: -15 (27 JUNE 2024)

Surprise Test:

1. Sum of Only Positive Numbers.
2. Write a JavaScript program to calculate the days left before Christmas.
3. Write a JavaScript program to determine whether a given year is a leap year in the Gregorian calendar.

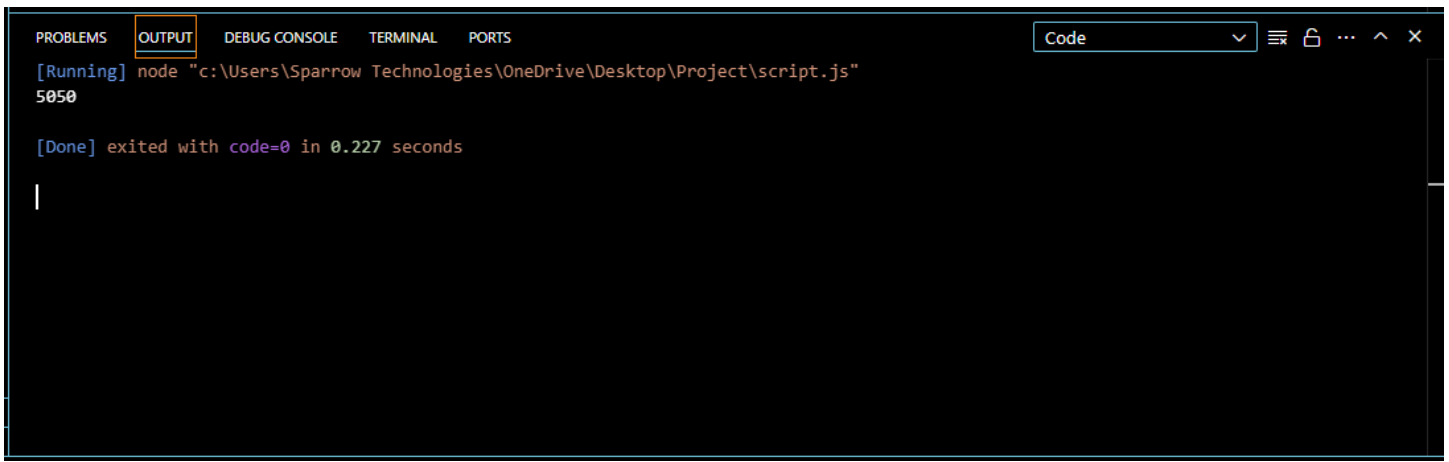
PROGRAM: -



```
JS script.js x
JS script.js > ...
1 let num=100;
2 let sum=0;
3 let i=0;
4 while (i<num)
5     {
6         i++;
7         sum=sum+i;
8     }
9 console.log(sum);
```

Run Code (Ctrl+Alt+N)

OUTPUT: -



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
[Running] node "c:\Users\Sparrow Technologies\OneDrive\Desktop\Project\script.js"
5050

[Done] exited with code=0 in 0.227 seconds
```

PROGRAM: -

```
JS script.js x
JS script.js > ...
1 // Get today's date
2 const today = new Date();
3
4 // Get the year of today's date
5 const year = today.getFullYear();
6
7 // Create a date object for Christmas of the current year
8 let christmas = new Date(year, 11, 25); // December is month 11 (0-indexed)
9
10 // If today's date is after Christmas, calculate for next year
11 if (today > christmas) {
12 |   christmas.setFullYear(year + 1);
13 | }
14
15 // Calculate the difference in milliseconds
16 const diffInMilliseconds = christmas - today;
17
18 // Convert milliseconds to days
19 const diffInDays = Math.ceil(diffInMilliseconds / (1000 * 60 * 60 * 24));
20
21 // Display the result
22 console.log(`There are ${diffInDays} days left until Christmas.`);
23
```

OUTPUT: -

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code
[Running] node "c:\Users\Sparrow Technologies\OneDrive\Desktop\Project\script.js"
There are 179 days left until Christmas.

[Done] exited with code=0 in 0.305 seconds
```

PROGRAM: -

```
JS script.js x
JS script.js > ...
1 // Given year
2 const year = 2024; // Replace this with the year you want to check
3 // Determine if the year is a leap year
4 let isLeapYear;
5 if (year % 4 === 0 || (year % 100 === 0)(year % 400 === 0))
6 | {
7 |   isLeapYear = true;
8 |   console.log(`${year} is a leap year.`);
9 | }
10 | else {
11 |   isLeapYear = false;
12 |   console.log(`${year} is not a leap year.`);
13 | }
14
15
```

OUTPUT: -



The screenshot shows a dark-themed interface with a tab labeled 'OUTPUT' highlighted. The output text is as follows:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code
[Running] node "c:\Users\Sparrow Technologies\OneDrive\Desktop\Project\script.js"
2024 is a leap year.

[Done] exited with code=0 in 0.354 seconds
```