# Day 11



## JavaScript in the Browser:

**JavaScript in the Browser**

When JavaScript runs inside a web browser, it can interact with the webpage (HTML) and the user. Browsers like Chrome, Firefox, Edge, etc., have a built-in JavaScript Engine that reads and executes JavaScript code.

Example:

- Chrome → uses V8 Engine
- Firefox → uses SpiderMonkey

## JavaScript Script Tag:

**<script> tag:**

Way 1: giving source ".js" address

```html
index.html > html > body > script
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Document</title>
7    </head>
8    <body>
9        <script src = "App.js"></script>
10   </body>
11   </html>
```

Way 2: writing JS code inside the <script> tag

```html
index.html > html
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Document</title>
7    </head>
8    <body>
9        <script>
10           console.log("Aditya Kumar");
11       </script>
12   </body>
13   </html>
```

# JavaScript Console Object:

## What is the Console Object in JavaScript?

The console object is a built-in object in JavaScript that helps display messages, debug code, and check values while running your program — usually through the browser's developer console.

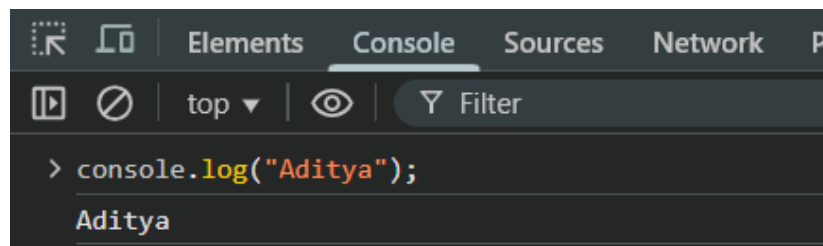You can open it by pressing: F12 → then click on the Console tab.

## Common methods:

- log() → print messages
- error() → show errors
- warn() → show warnings
- table() → display data in table form
- clear() → clear console
- time() / timeEnd() → measure time

Example: to list all the available methods, we can use console.log(console)
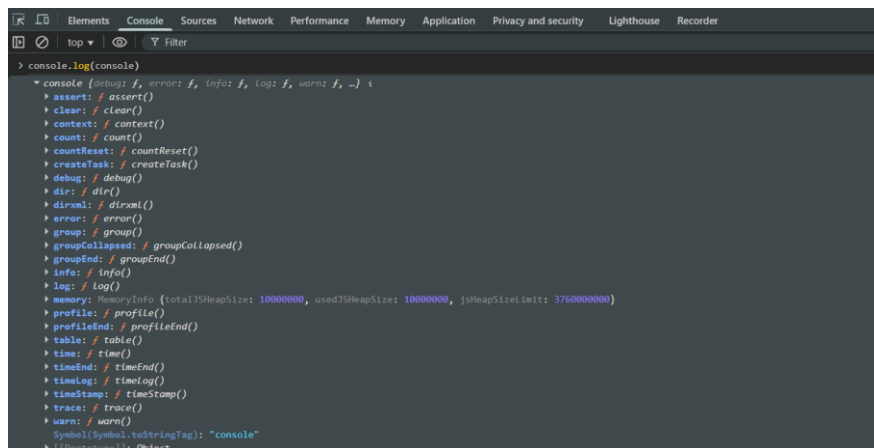


Example: console.log()
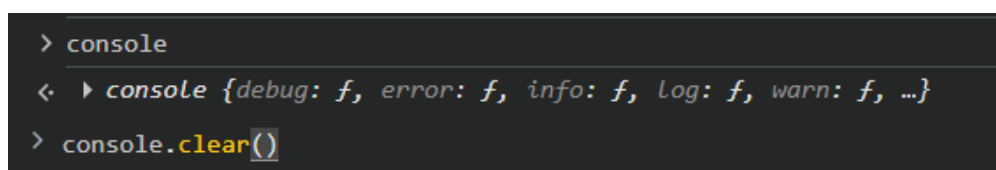
Example: console.error()
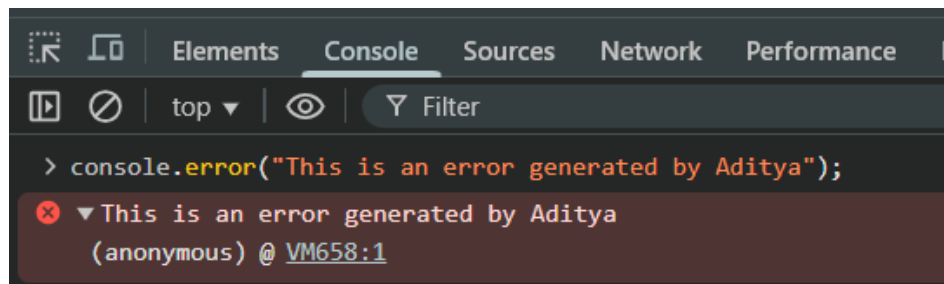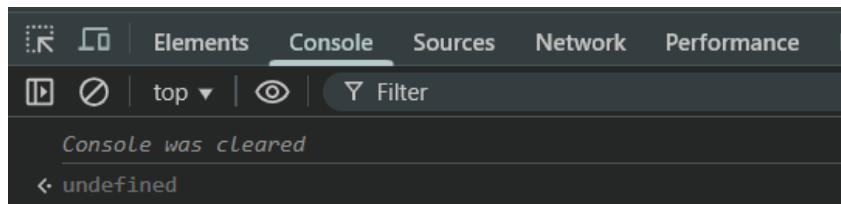


Also, in IDE:



Example: console.assert()
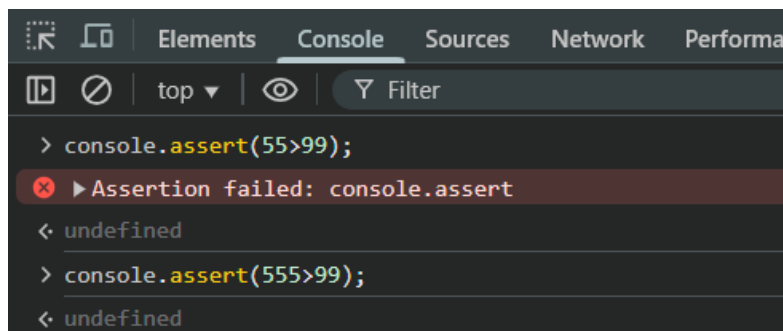


Also,
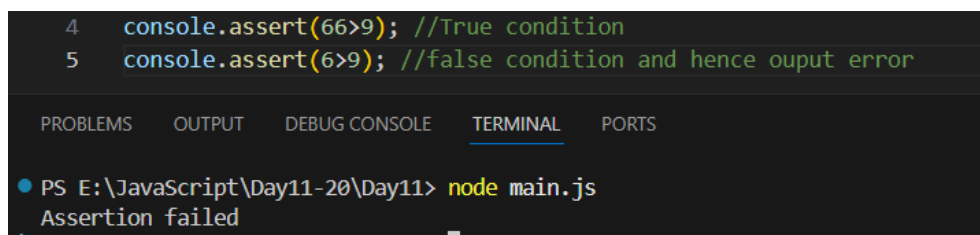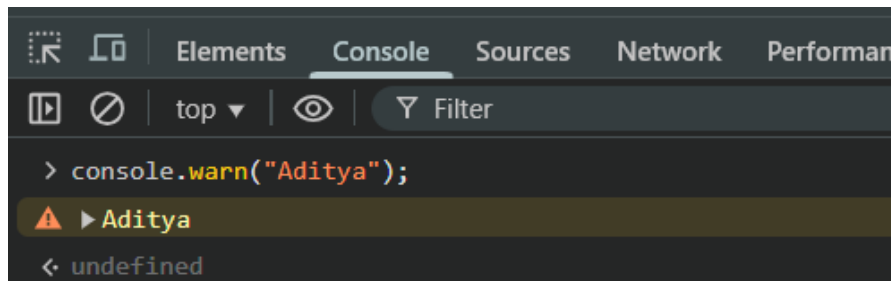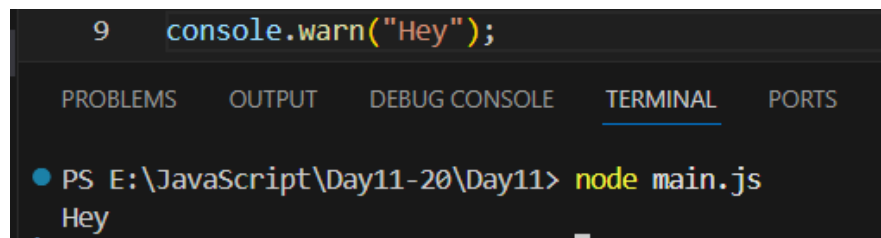


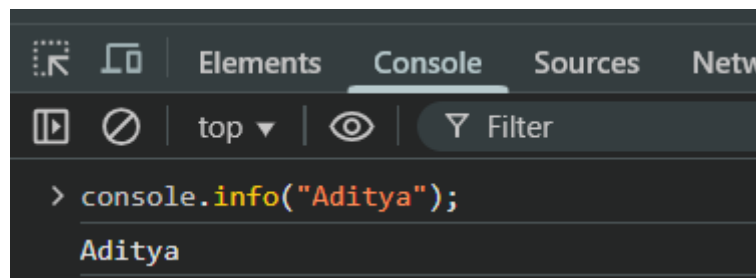Example: console.clear()

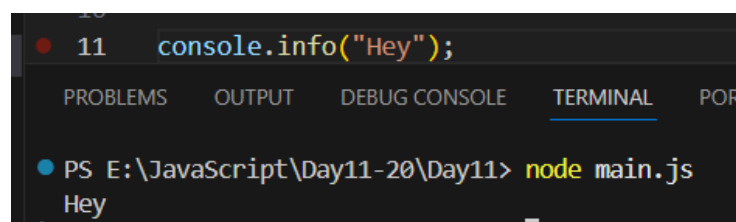Example: Console.table()



Example: console.warn()



Also,



Example: console.info()



Also,

Example: console.time() and console.timeEnd()



Example: printing the time taken in execution of for loop



--The End--