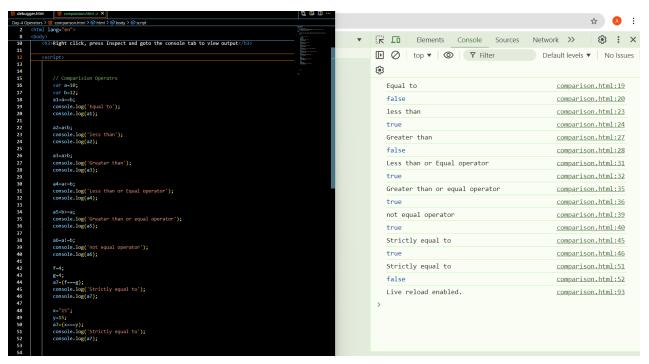
## Day-4 Tasks:

1. Write a JavaScript script that compares two variables using different comparison operators (==, ===, !=, !=, >, <, >=, <=) and prints the results.



2. Write a JavaScript script that uses the ternary operator to determine if a number is even or odd.

3. Expand the script to include a ternary operation that checks if a user is an adult (18+) or a minor.

```
debugger.html 5 age_major.html U X
Day-4 Operators > ■ age_major.html > � html
     <!DOCTYPE html>
                                                                              K I
                                                                                        Flements
                                                                                                 Console
                                                                                                           Sources
                                                                                                                    Network
     <html lang="en">
                                                                              Defaul
  3
         <meta charset="UTF-8">
                                                                              (
         <meta name="viewport" content="width=device-width, ini</pre>
                                                                                 Minor
         <title>Minor or Major check</title>
  8
  9
 10
 12
             var age=+prompt('enter your age');
             var res=age>=18? 'Major' : 'Minor';
 13
 14
             window.alert(res);
 15
             console.log(res);
          </script>
 16
 17
```

4. Grade Classification: Declare a variable score and set it to a value between 0 and 100. Use nested ternary operators to classify the score into grades: A (>= 90), B (>= 75), C (>= 60), D (>= 45), and F (below 45). Log the grade.

```
debugger.html 🗴 😈 grade.html U 🗴
                                                                  # II II ...
Day-4 Operators \gt \Box grade.html \gt \diamondsuit html \gt \diamondsuit body \gt \diamondsuit script
       <html lang="en">
                                                                                           K [0
                                                                                                      Elements
                                                                                                                 Console
                                                                                                                            Sources
                                                                                                                                      Net
  8
                                                                                           D o top ▼ o Y Filter
 33
                                                                                           (
 34
           <!-- Grade Classification: Declare a variable score ar
 35
                                                                                              B Grade
 36
            D (>= 45), and F (below 45). Log the grade. -->
 37
            <script>
 39
                var n=+prompt('enter Your marks in the range of 1-
                var Grade=n>=90 ? "A Grade":
 40
                           n>=75 ? "B Grade":
 41
                           n>=60 ? "C Grade":
 42
                           n>=45 ? "D Grade":"Fail";
 43
 45
 46
 47
                window.alert(Grade); // output in alert box
 48
               console.log(Grade); // output in console tab
 49
            </script>
 50
 51
 52
```

5. Temperature Check: Declare a variable temperature and use nested ternary operators to categorize it as "Hot" (above 30), "Warm" (20-30), "Cool" (10-19), and "Cold" (below 10). Log the result.

```
፱ temperature_check.html U 🗙
                                                               debugger.html
Day-4 Operators > 🥫 temperature_check.html > �� html > �� body > �� script
      <html lang="en">
                                                                                       K [0
                                                                                                  Elements
                                                                                                             Console
      <body>
                                                                                                 top ▼ | ③ | Y Fil
 33
                                                                                       (2)3
 34
           <script>
 35
               var n=+prompt('enter Temperature for Temperature (
                                                                                          Warm
               var temp=n>30 ? "HOT":
 36
                         n>=20 ? "Warm":
 37
                         n>=10 ? "Cool":"cold";
 38
 39
 40
 41
 42
               window.alert(temp); // output in aleret box
 43
               console.log(temp); // output in console tab
 45
           </script>
 46
 47
       </body>
 48
      </html>
```

6. Age Group: Declare a variable age and use the ternary operator to classify the age into "Child" (0-12), "Teen" (13-19), "Adult" (20-64), and "Senior" (65 and above). Log the result.

```
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 debugger.html 🗙 🥫 age_check.html U 🗙
<html lang="en">
                                                                                                K [0
                                                                                                         Elements
                                                                                                top ▼ | ③ | Y Filt
 10
             var ac=(age>=0 && age<=12) ? "Child":
                                                                                                (B)
 13
 14
                    (age>=13 && age<=19) ? "Teen":
                                                                                                  Teen
 29
          30
 31
 32
          <!-- Age Group: Declare a variable age and
          use the ternary operator to classify the age into "Child" (0-12), "Teen" (13-19)
          "Adult" (20-64), and "Senior" (65 and above). Log the result. -->
 34
 35
 36
 37
          <script>
 38
             var age=+prompt('enter Your age to known which age group you are');
 39
              var ac=(age>=0 && age<=12) ? "Child":</pre>
                    (age>=13 && age<=19) ? "Teen":
(age>=20 && age<=64) ? "Adult":"Senior";
 40
 41
 42
 44
 45
 46
 47
              window.alert(ac); // output in aleret box
 48
              console.log(ac); // output in console tab
 49
```