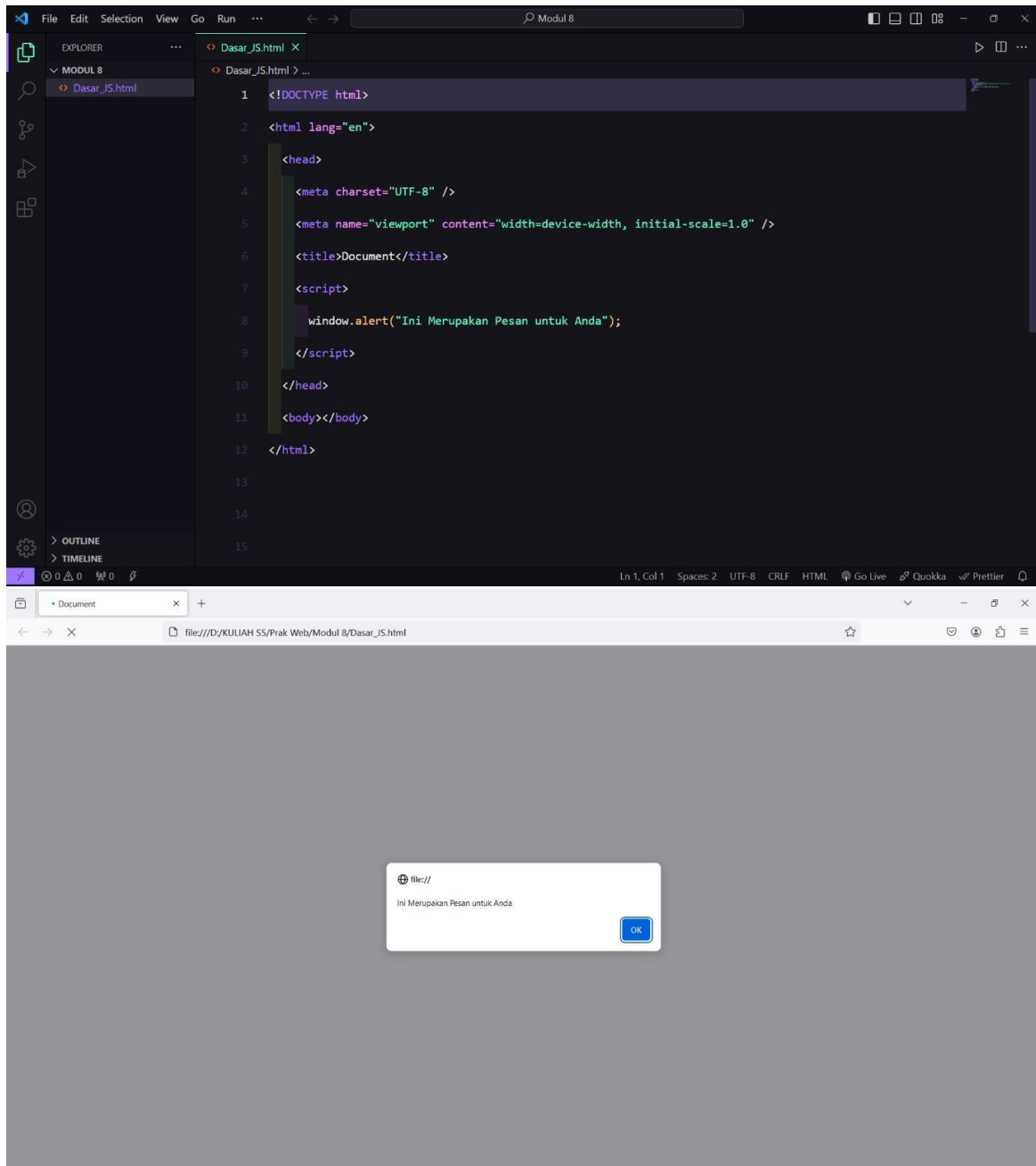


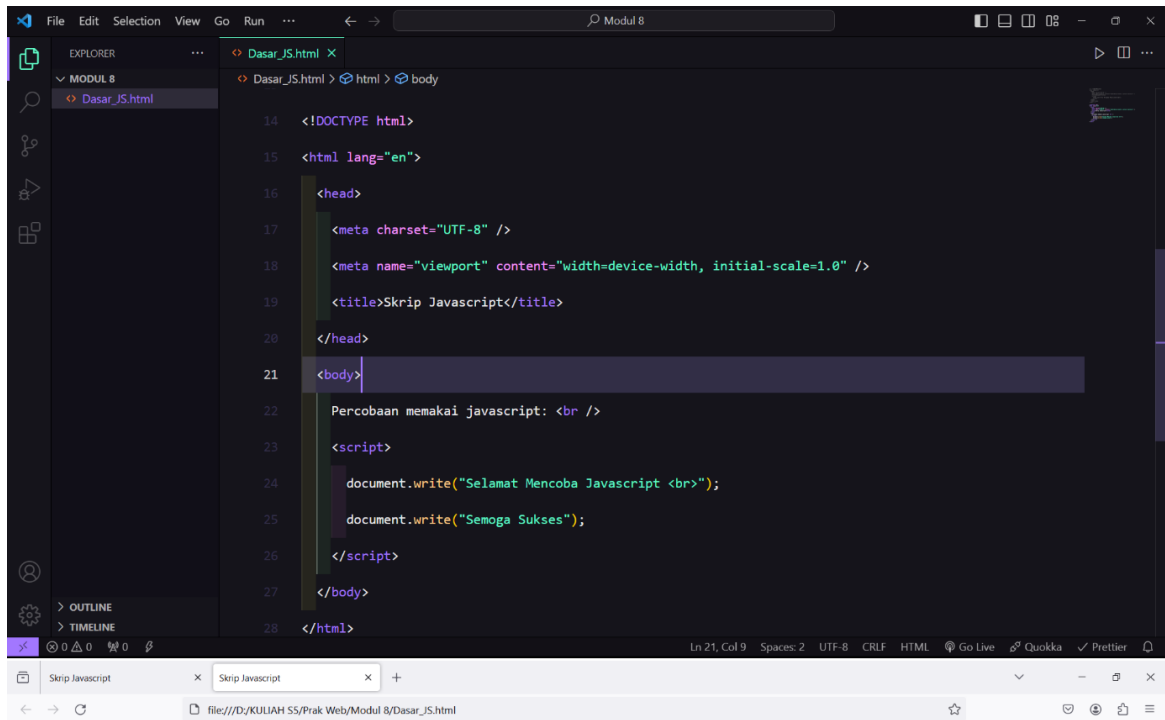
Modul 8 Javascript

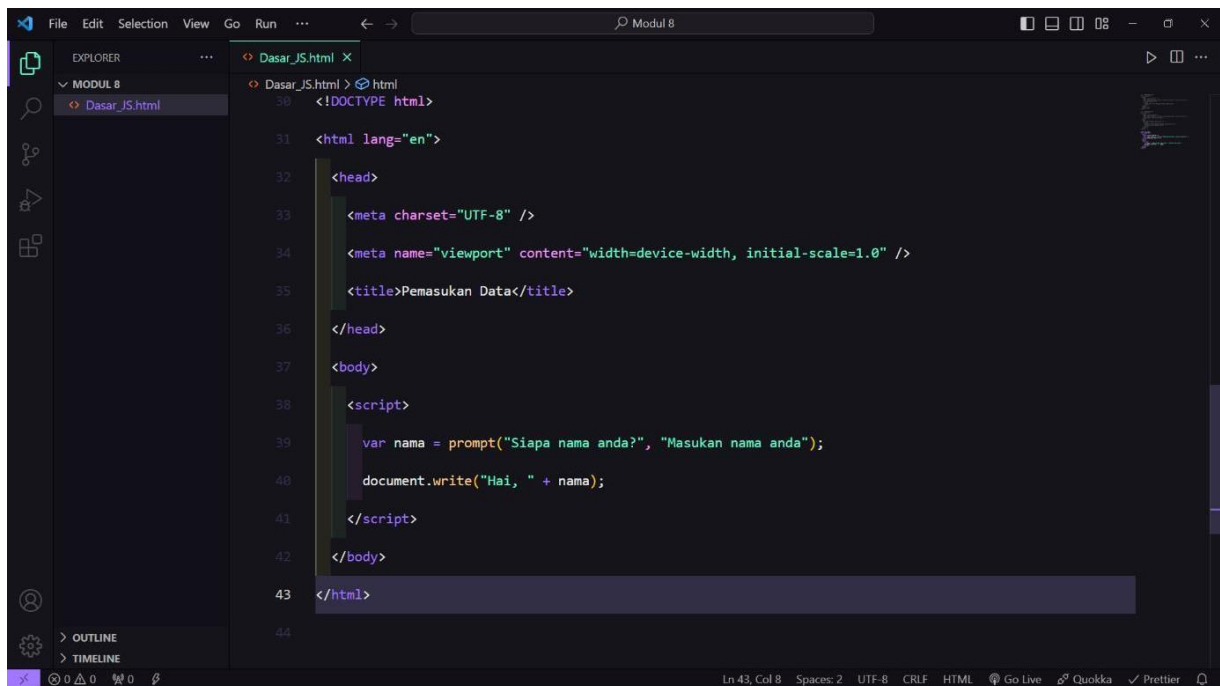
Nama : Bryan Ricky C

NIM : 2105101012

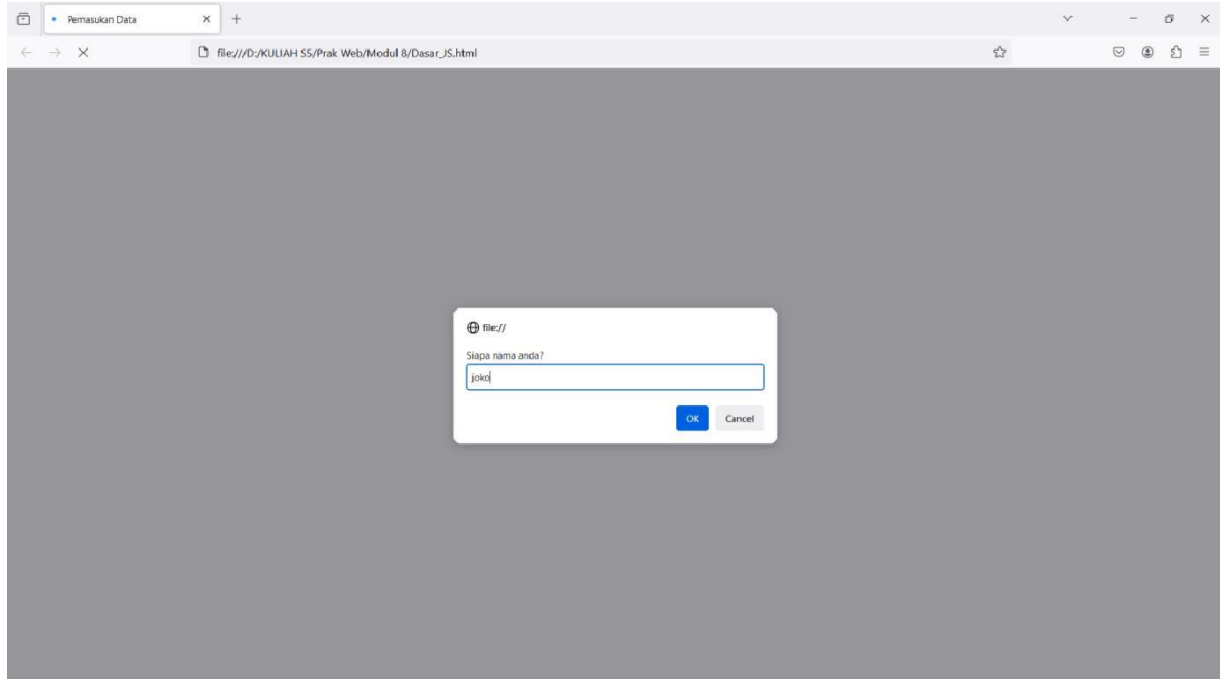
Dasar – Dasar Javascript





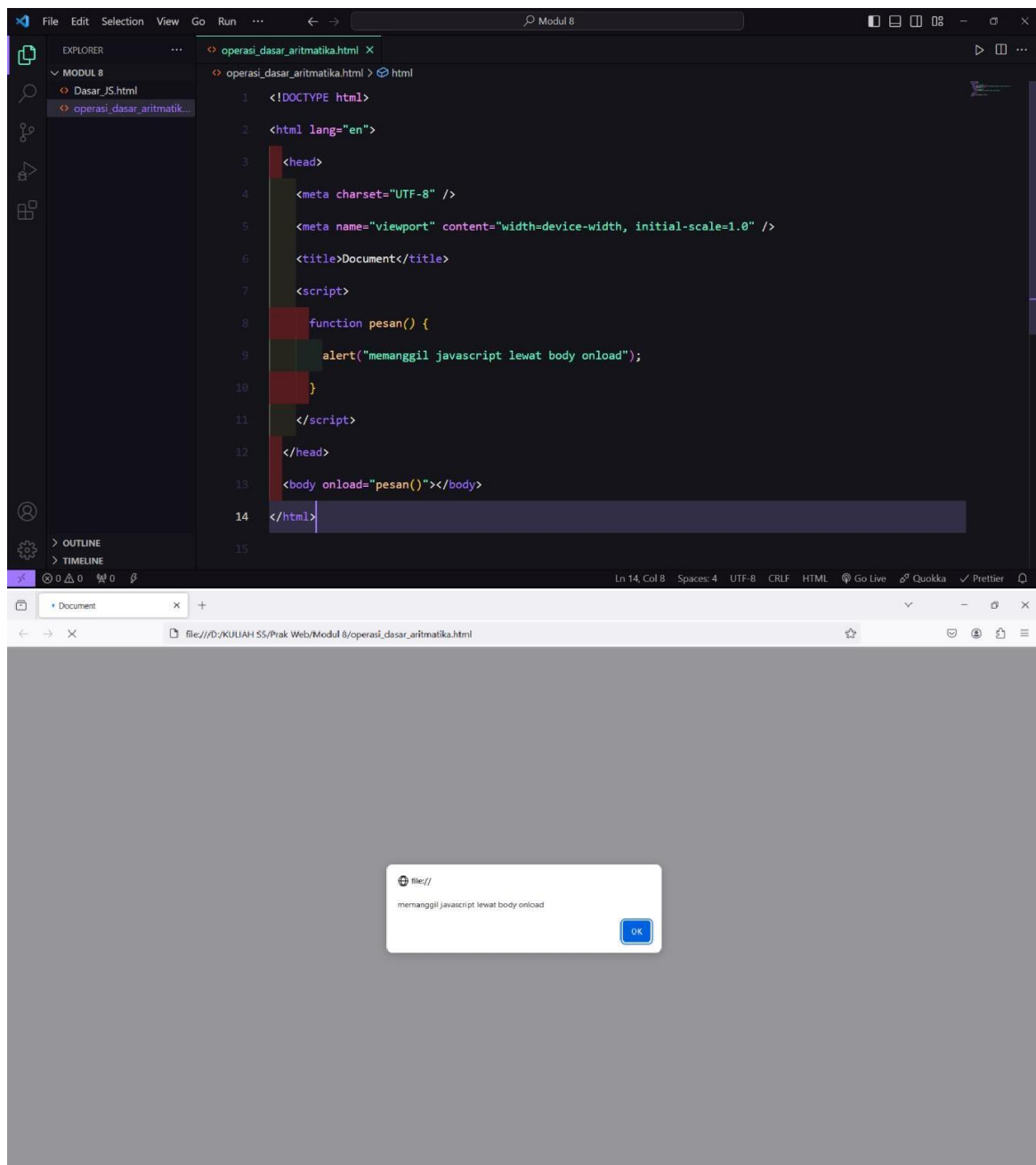


```
30 <!DOCTYPE html>
31 <html lang="en">
32 <head>
33   <meta charset="UTF-8" />
34   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
35   <title>Pemasukan Data</title>
36 </head>
37 <body>
38   <script>
39     var nama = prompt("Siapa nama anda?", "Masukan nama anda");
40     document.write("Hai, " + nama);
41   </script>
42 </body>
43 </html>
```



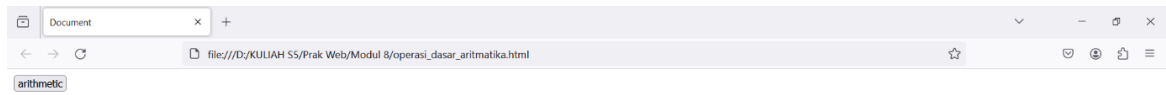
Hai, joko

Operasi Dasar Aritmatika

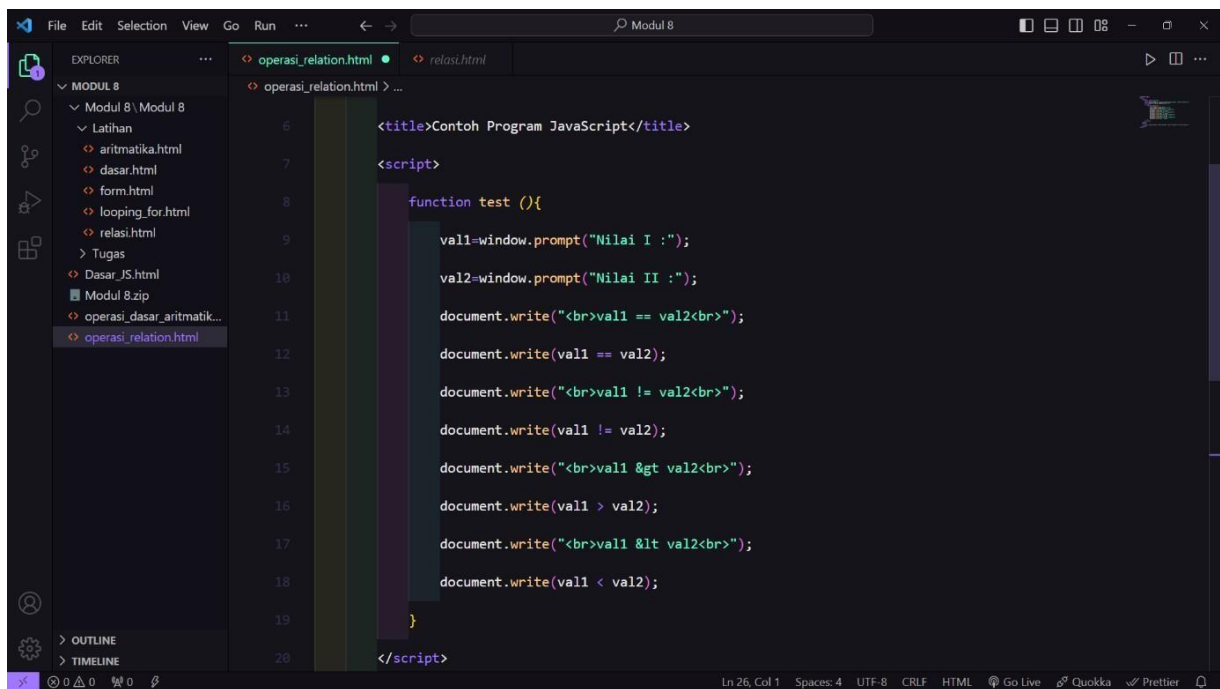


```
File Edit Selection View Go Run ... Modul 8
EXPLORER
  MODUL 8
    Dasar_JS.html
    operasi_dasar_aritmatika.html
  OUTLINE
  TIMELINE
  operasi_dasar_aritmatika.html
    operasi_dasar_aritmatika.html > html > head > script > test
      22 <script>
      23   function test(val1, val2){
      24     document.write("<br>" + "Perkalian : val1*val2 "+"<br>")
      25     document.write(val1*val2)
      26     document.write("<br>" + "Pembagian : val1/val2 "+"<br>")
      27     document.write(val1/val2)
      28     document.write("<br>" + "Penjumlahan : val1+val2 "+"<br>")
      29     document.write(val1+val2)
      30     document.write("<br>" + "Pengurangan : val1-val2 "+"<br>")
      31     document.write(val1-val2)
      32     document.write("<br>" + "Modulus : val1%val2 "+"<br>")
      33     document.write(val1%val2)
      34   }
      35 </script>
      36 </head>
```

```
File Edit Selection View Go Run ... Modul 8
EXPLORER
  MODUL 8
    Dasar_JS.html
    operasi_dasar_aritmatika.html
  OUTLINE
  TIMELINE
  operasi_dasar_aritmatika.html
    operasi_dasar_aritmatika.html > html > head > script > test
      36 </head>
      37 <body>
      38   <input type="button" name="button1" value="arithmetic" onclick=test(9,4)>
      39 </body>
      40 </html>
      41
```

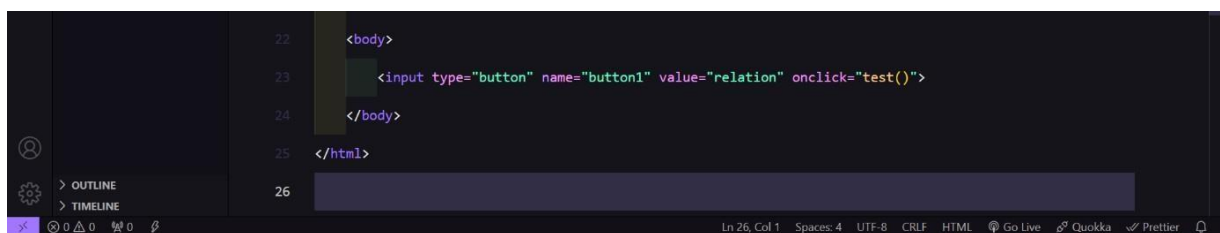


Operasi relational

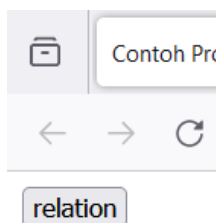


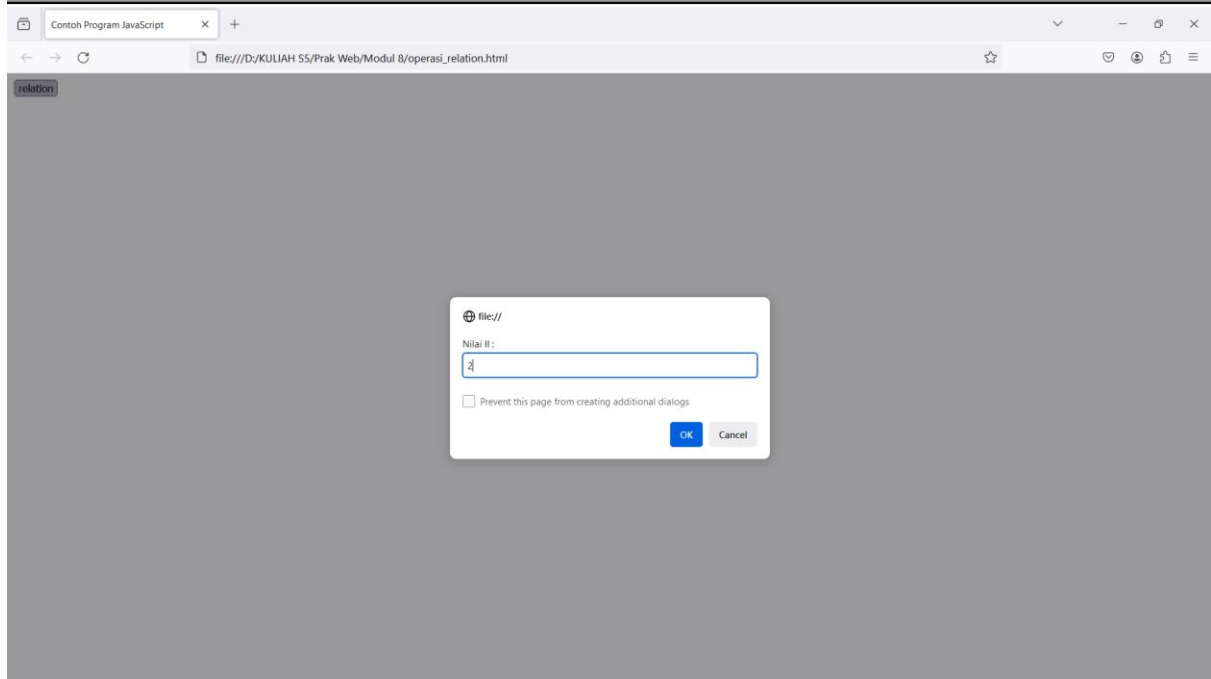
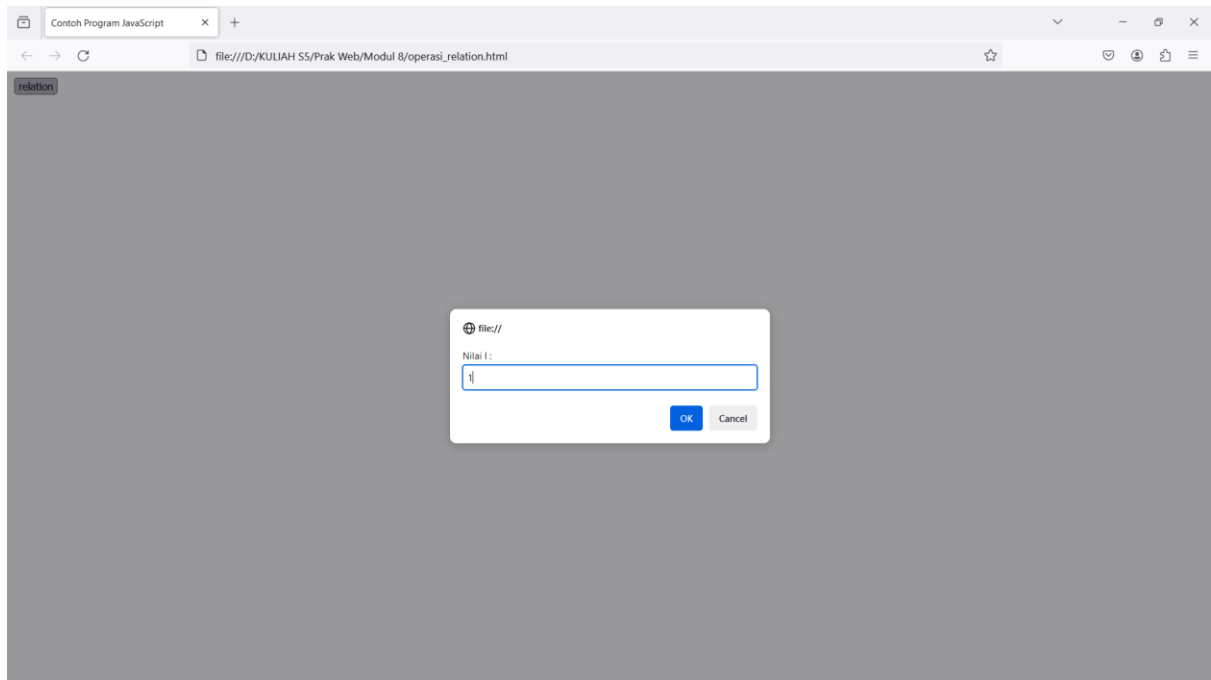
```
File Edit Selection View Go Run ... Modul 8
EXPLORER
  MODUL 8
    Modul 8 \ Modul 8
      Latihan
        aritmatika.html
        dasar.html
        form.html
        looping_for.html
        relasi.html
      Tugas
        Dasar_JS.html
        Modul 8.zip
        operasi_dasar_aritmatik...
        operasi_relation.html
  OUTLINE
  TIMELINE
Ln 26, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live Quokka Prettier

6      <title>Contoh Program JavaScript</title>
7
8      <script>
9
10         function test (){
11
12             val1=window.prompt("Nilai I :");
13             val2=window.prompt("Nilai II :");
14             document.write("<br>val1 == val2<br>");
15             document.write(val1 == val2);
16             document.write("<br>val1 != val2<br>");
17             document.write(val1 != val2);
18             document.write("<br>val1 > val2<br>");
19             document.write(val1 > val2);
20             document.write("<br>val1 < val2<br>");
21             document.write(val1 < val2);
22         }
23     }
24 </script>
```



```
Ln 26, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live Quokka Prettier
22     <body>
23
24         <input type="button" name="button1" value="relation" onclick="test()">
25     </body>
26 </html>
```

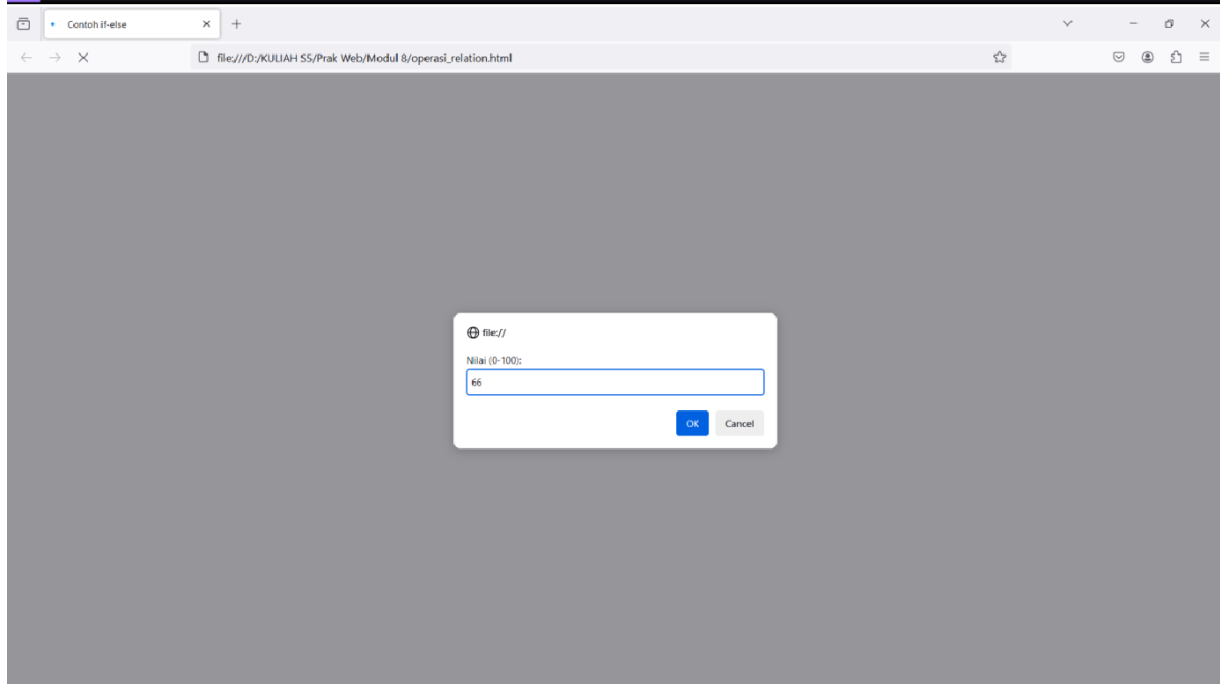




```
val1 == val2  
false  
val1 != val2  
true  
val1 > val2  
false  
val1 < val2  
true
```

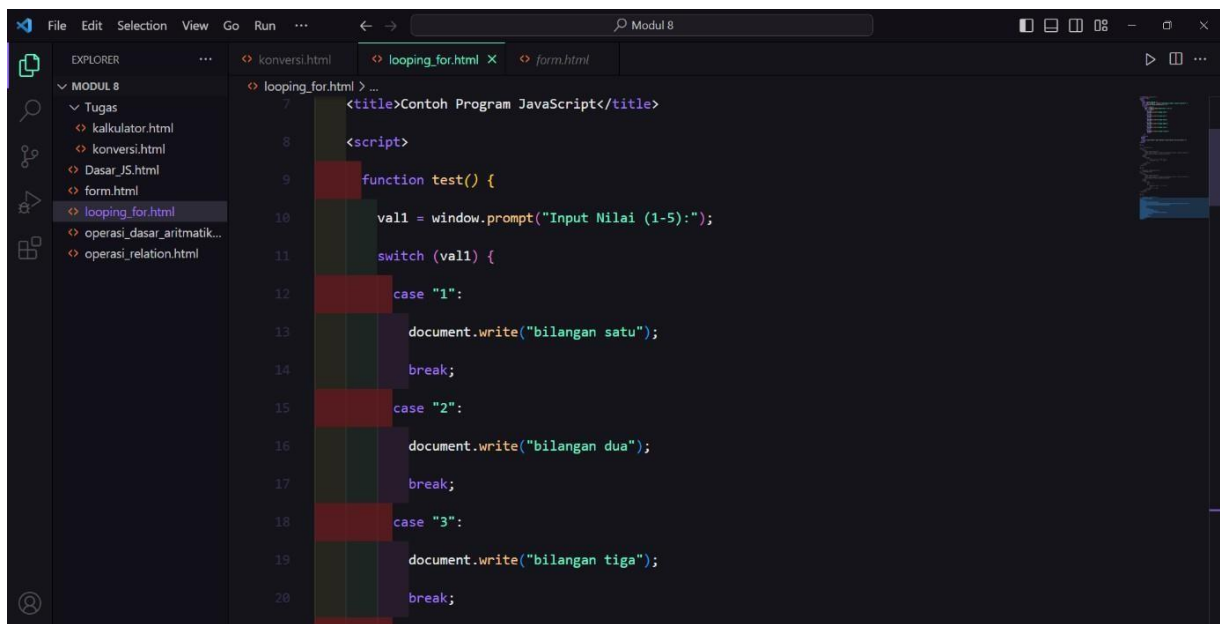


```
33 </head>
34 <body>
35 <script>
36     var nilai = prompt("Nilai (0-100): ", 0);
37     var hasil = "";
38     if (nilai >= 60) {
39         hasil = "Lulus";
40     } else {
41         hasil = "Tidak Lulus";
42     }
43     document.write("Hasil: " + hasil);
44 </script>
45 </body>
46 </html>
47 TIF FT UNIPMA
```

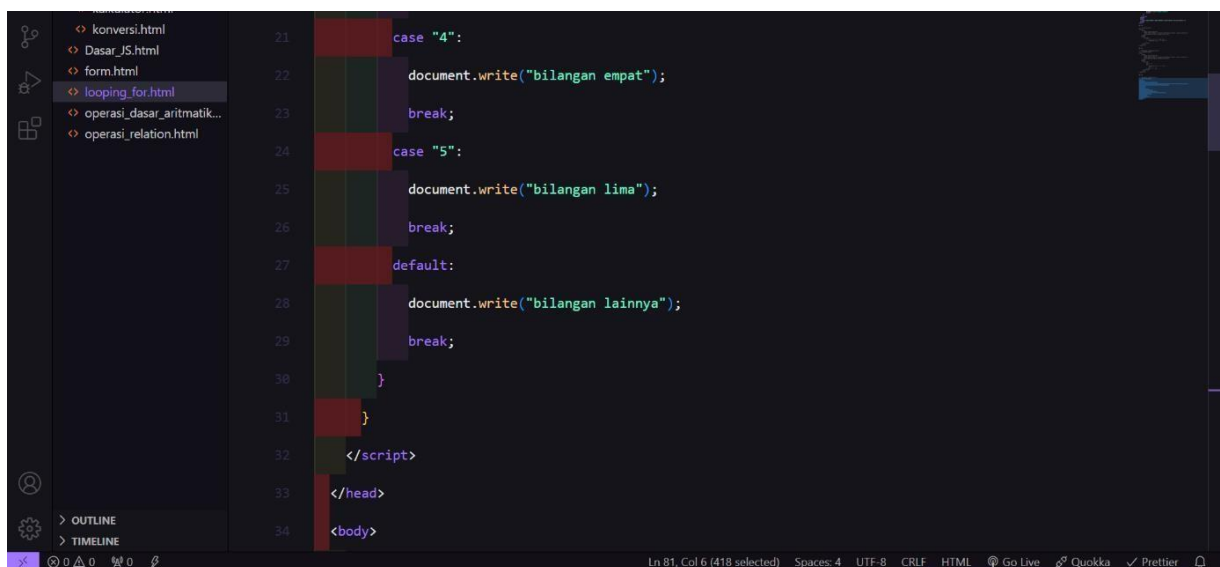


Hasil: Lulus TIF FT UNIPMA

Looping for



```
File Edit Selection View Go Run ... Modul 8
EXPLORER
  MODUL 8
    Tugas
      kalkulator.html
      konversi.html
      Dasar_JS.html
      form.html
      looping_for.html
      operasi_dasar_aritmatik...
      operasi_relation.html
  looping_for.html > ...
    7 <title>Contoh Program JavaScript</title>
    8 <script>
    9 function test() {
   10     val1 = window.prompt("Input Nilai (1-5):");
   11     switch (val1) {
   12     case "1":
   13         document.write("bilangan satu");
   14         break;
   15     case "2":
   16         document.write("bilangan dua");
   17         break;
   18     case "3":
   19         document.write("bilangan tiga");
   20         break;
```



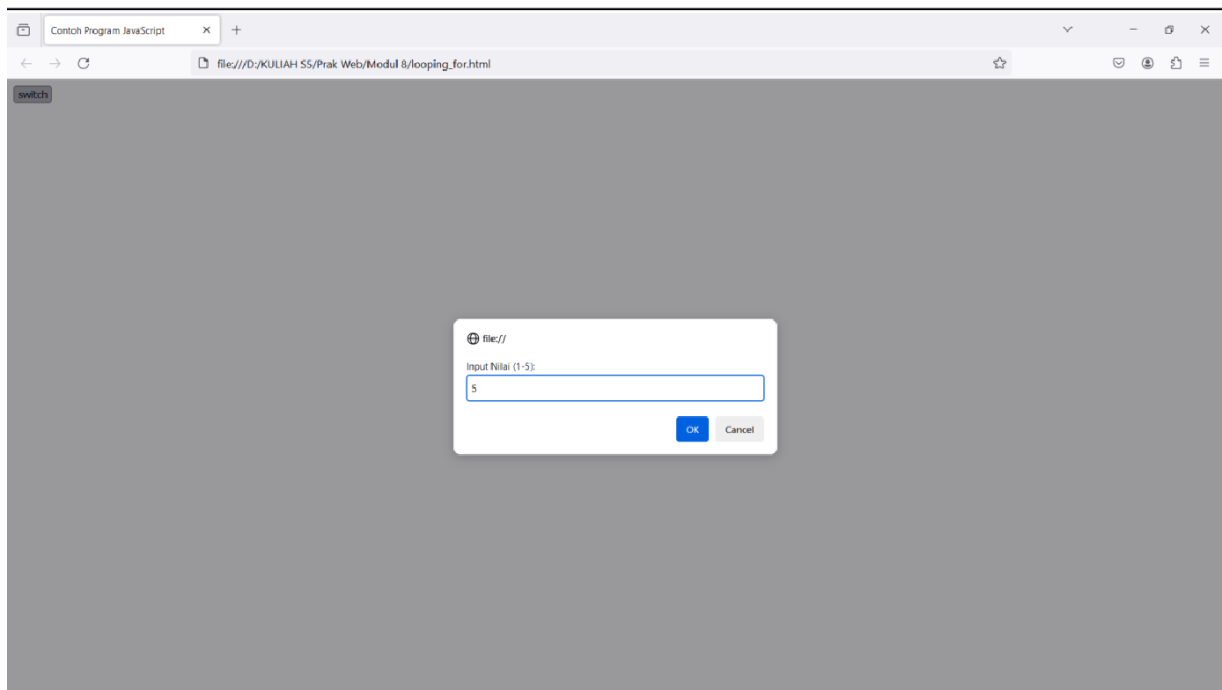
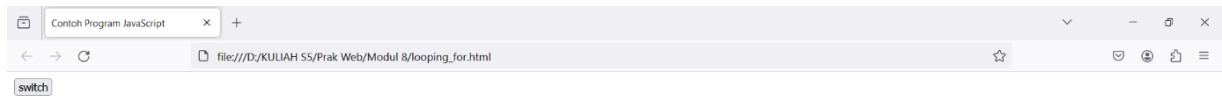
```

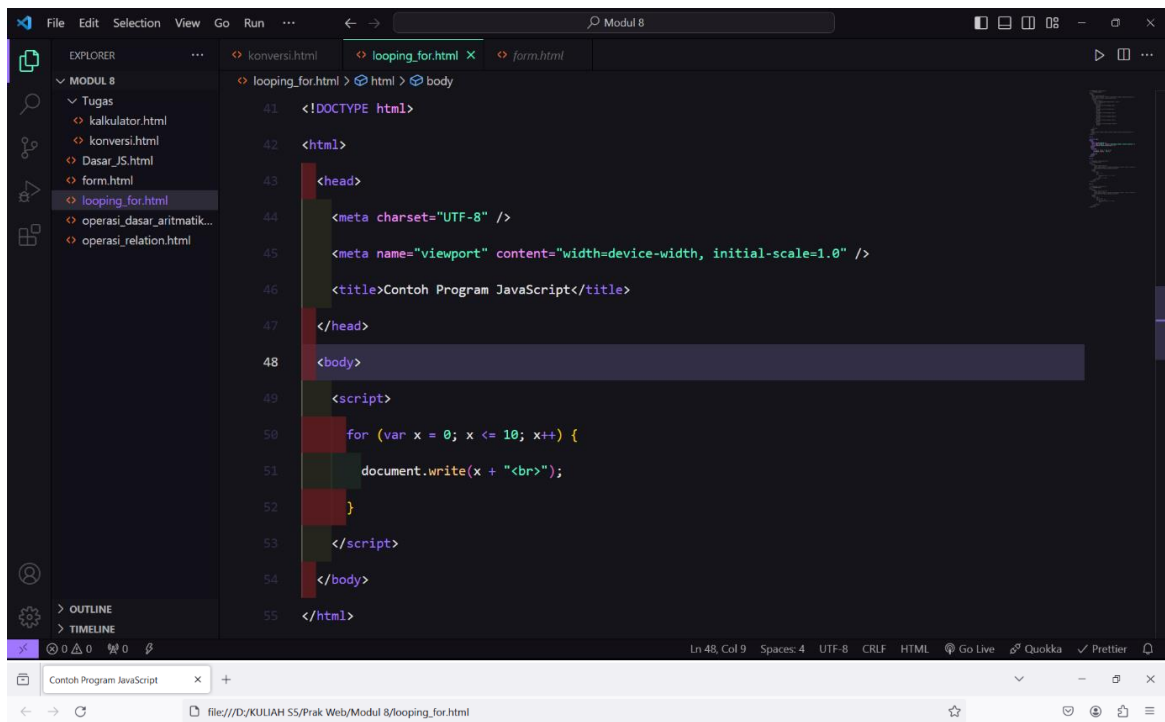
   21     case "4":
   22         document.write("bilangan empat");
   23         break;
   24     case "5":
   25         document.write("bilangan lima");
   26         break;
   27     default:
   28         document.write("bilangan lainnya");
   29         break;
   30     }
   31 }
   32 </script>
   33 </head>
   34 <body>
```



```

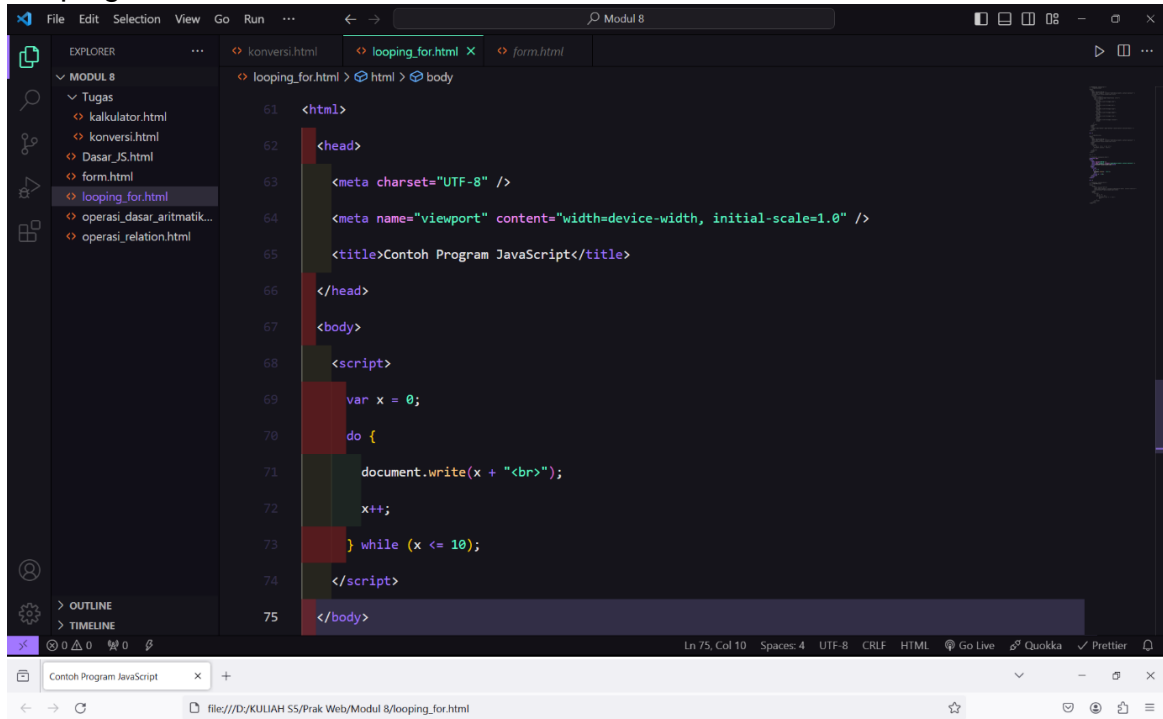
   33 </head>
   34 <body>
   35     <input type="button" name="button1" value="switch" onclick="test()" />
   36 </body>
   37 </html>
   38
   39 <br />
```





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10

Looping do while

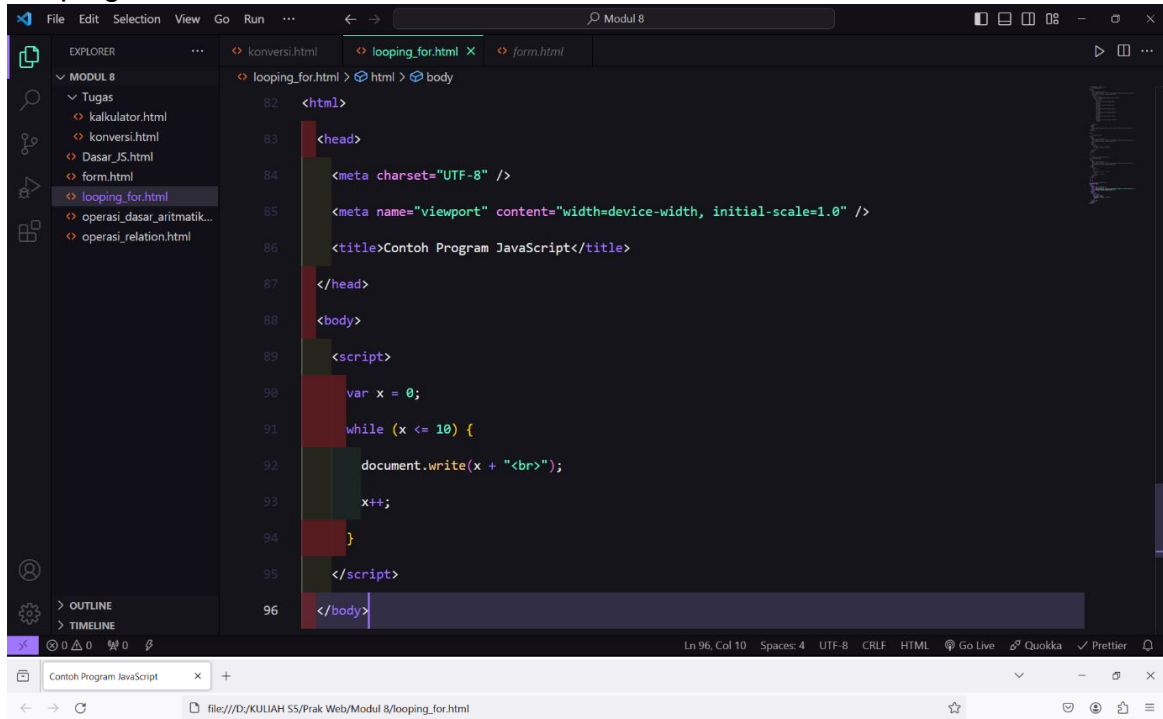


The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project structure with a folder named 'MODUL 8' containing several HTML files. The file 'looping_for.html' is selected and open in the main editor. The code in the editor is an HTML document with a JavaScript do-while loop. The loop initializes a variable 'x' to 0 and prints its value to the document, incrementing it by 1, until it reaches 10. The status bar at the bottom indicates the current cursor position is at line 75, column 10, with 4 spaces, in UTF-8 encoding, using CRLF line endings. The bottom toolbar shows extensions like Go Live, Quokka, and Prettier.

```
61 <html>
62 <head>
63   <meta charset="UTF-8" />
64   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
65   <title>Contoh Program JavaScript</title>
66 </head>
67 <body>
68   <script>
69     var x = 0;
70     do {
71       document.write(x + "<br>");
72       x++;
73     } while (x <= 10);
74   </script>
75 </body>
```

0
1
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4
5
6
7
8
9
10

Looping while



The screenshot shows a code editor with a dark theme. The Explorer panel on the left shows a project structure with files like 'MODUL 8', 'Tugas', 'kalkulator.html', 'konversi.html', 'Dasar_JS.html', 'form.html', 'looping_for.html', 'operasi_dasar_aritmatik...', and 'operasi_relation.html'. The 'looping_for.html' file is selected. The main editor area shows the following code:

```
82 <html>
83 <head>
84 <meta charset="UTF-8" />
85 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
86 <title>Contoh Program JavaScript</title>
87 </head>
88 <body>
89 <script>
90 var x = 0;
91 while (x <= 10) {
92     document.write(x + "<br>");
93     x++;
94 }
95 </script>
96 </body>
```

The status bar at the bottom indicates 'Ln 96, Col 10', 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', 'Go Live', 'Quokka', and 'Prettier'. The browser window at the bottom shows the file path 'file:///D:/KULIAH SS/Prak Web/Modul 8/looping_for.html'.

0
1
2
3
4
5
6
7
8
9
10

Form input

The image shows a VS Code editor window with a dark theme. The Explorer sidebar on the left shows a project structure for 'MODUL 8' with files like 'kalkulator.html', 'konversi.html', 'Dasar_JS.html', 'form.html', 'looping_for.html', 'operasi_dasar_aritmatik...', and 'operasi_relation.html'. The 'form.html' file is selected and open in the main editor. The code in the editor consists of a JavaScript function 'test()' and an HTML form. The function checks if the value of 'T1' is even or odd and updates the value of 'T2' accordingly. The HTML form has a text input 'T1', a text input 'T2', and a button 'TEBAK' that calls the 'test()' function. Below the editor, a live preview of the form is shown, displaying the text 'Merupakan Bil' and 'bilangan ganjil'.

```
9 <body>
10 <script>
11 function test() {
12     var val1 = document.kirim.T1.value;
13     if (val1 % 2 == 0) document.kirim.T2.value = "bilangan genap";
14     else document.kirim.T2.value = "bilangan ganjil";
15 }
16 </script>
17 </body>
18 <form method="post" name="kirim">
19     <p>BIL <input type="text" name="T1" size="20" />Merupakan Bil <input type="text" name="T2" size="20"
20     <p><input type="button" value="TEBAK" name="B1" onclick="test()" /></p>
21 </form>
22 </html>
23
```

Ln 27, Col 6 (932 selected) Spaces: 4 UTF-8 CRLF HTML Go Live Quokka Prettier

Contoh Program JavaScript x Contoh Program JavaScript +

file:///D:/KULIAH SS/Prak Web/Modul 8/form.html

BIL 1 Merupakan Bil bilangan ganjil

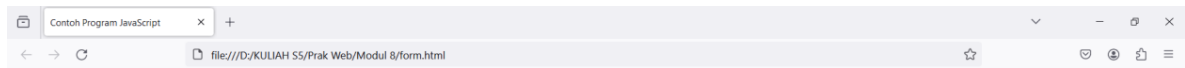
TEBAK

Form Button

The image shows a Visual Studio Code editor window with a file explorer on the left and a code editor in the center. The file explorer shows a project named 'MODUL 8' with several files, including 'form.html'. The code editor displays the following HTML and JavaScript code:

```
35 <script>
36   function ubahWarnaLB(warna) {
37     document.body.style.backgroundColor = warna;
38   }
39   function ubahWarnaLD(warna) {
40     document.body.style.color = warna;
41   }
42 </script>
43 <h1>TES</h1>
44 <form>
45   <input type="button" value="Latar Belakang Hijau" onclick="ubahWarnaLB('green')">
46   <input type="button" value="Latar Belakang Putih" onclick="ubahWarnaLB('white')">
47   <input type="button" value="Text Kuning" onclick="ubahWarnaLD('yellow')">
48   <input type="button" value="Text Biru" onclick="ubahWarnaLD('blue')">
49 </form>
```

Below the code editor, a browser window is open showing the rendered HTML. The browser address bar shows the file path: 'file:///D:/KULIAH SS/Prak Web/Modul 8/form.html'. The browser content displays the text 'TES' in a large font, followed by four buttons: 'Latar Belakang Hijau', 'Latar Belakang Putih', 'Text Kuning', and 'Text Biru'. The background of the browser window is green, indicating that the 'Latar Belakang Hijau' button has been clicked.



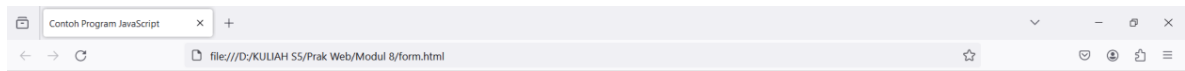
TES

Latar Belakang Hijau Latar Belakang Putih Text Kuning Text Biru



TES

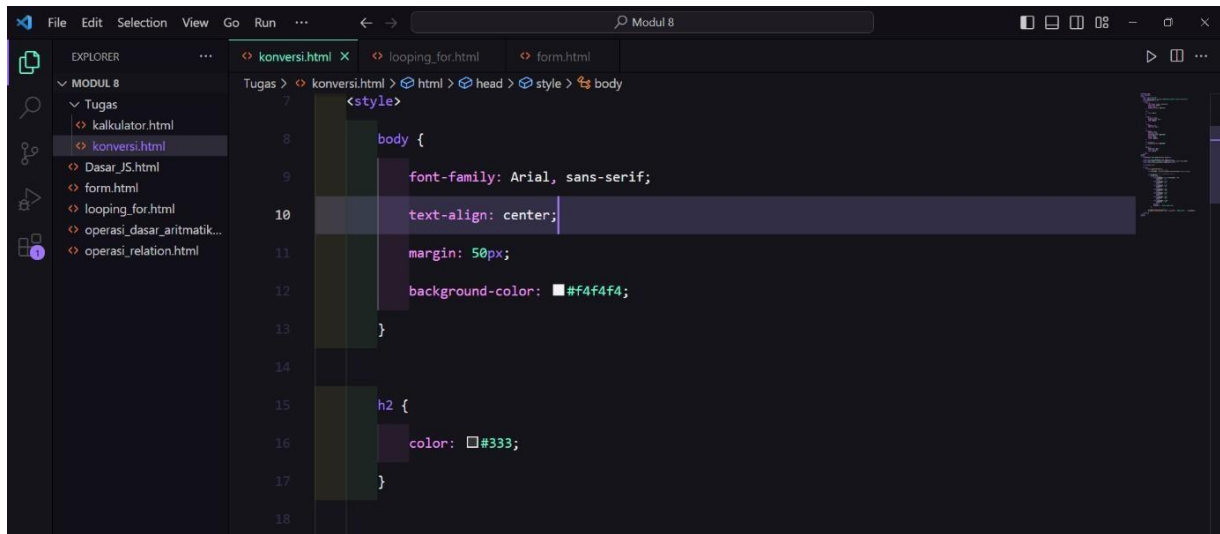
Latar Belakang Hijau Latar Belakang Putih Text Kuning Text Biru



TES

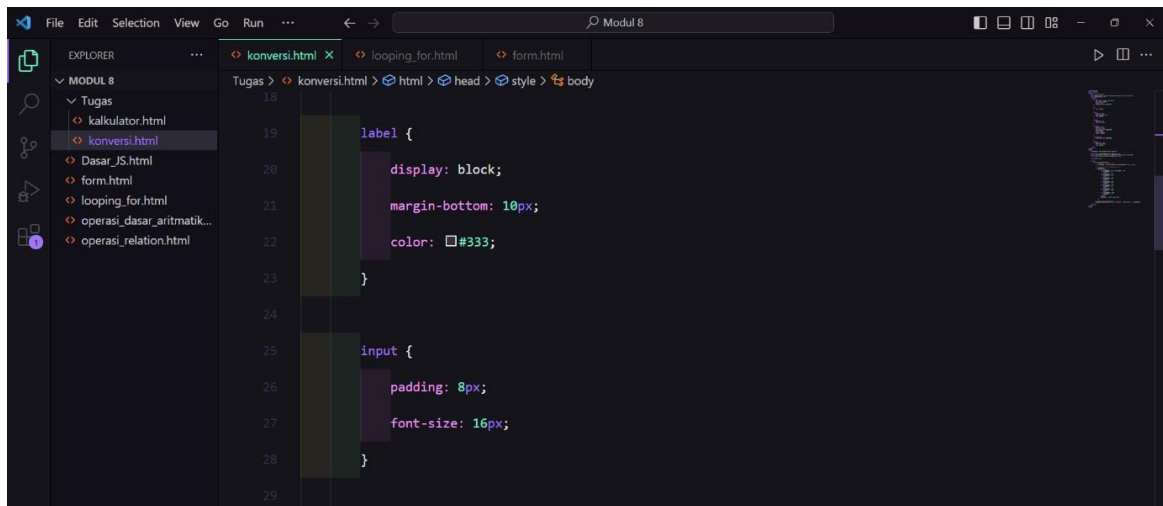
Latar Belakang Hijau Latar Belakang Putih Text Kuning Text Biru

Tugas No 1



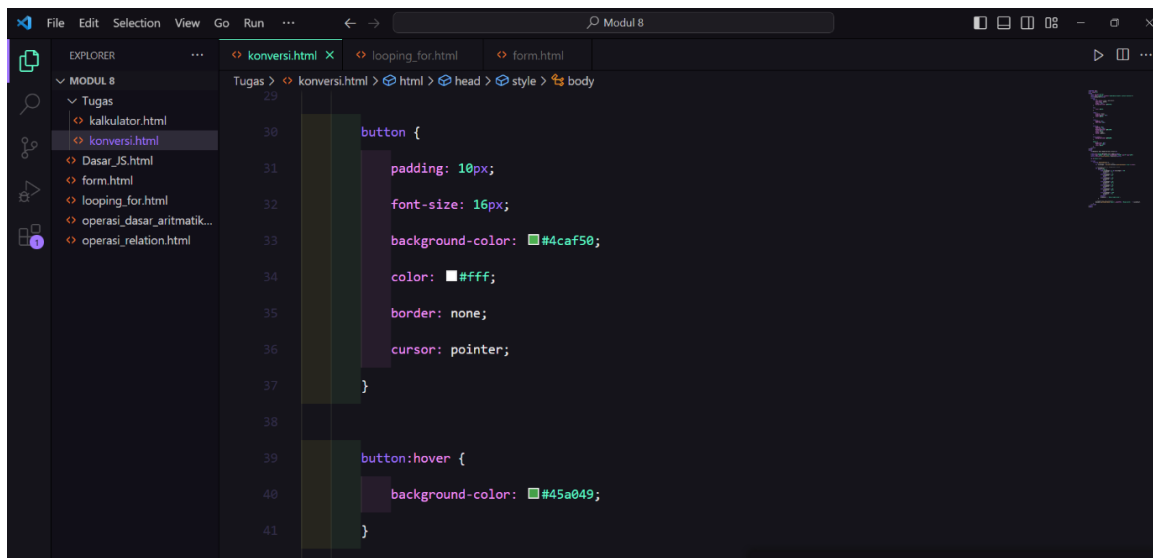
This screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure under 'MODUL 8' and 'Tugas'. The main editor window shows the 'konversi.html' file with CSS code. The breadcrumb navigation at the top indicates the path: 'Tugas > konversi.html > html > head > style > body'. The code defines styles for the body and h2 elements.

```
7 <style>
8
9     body {
10         font-family: Arial, sans-serif;
11         text-align: center;
12         margin: 50px;
13         background-color: #f4f4f4;
14     }
15
16     h2 {
17         color: #333;
18     }
```



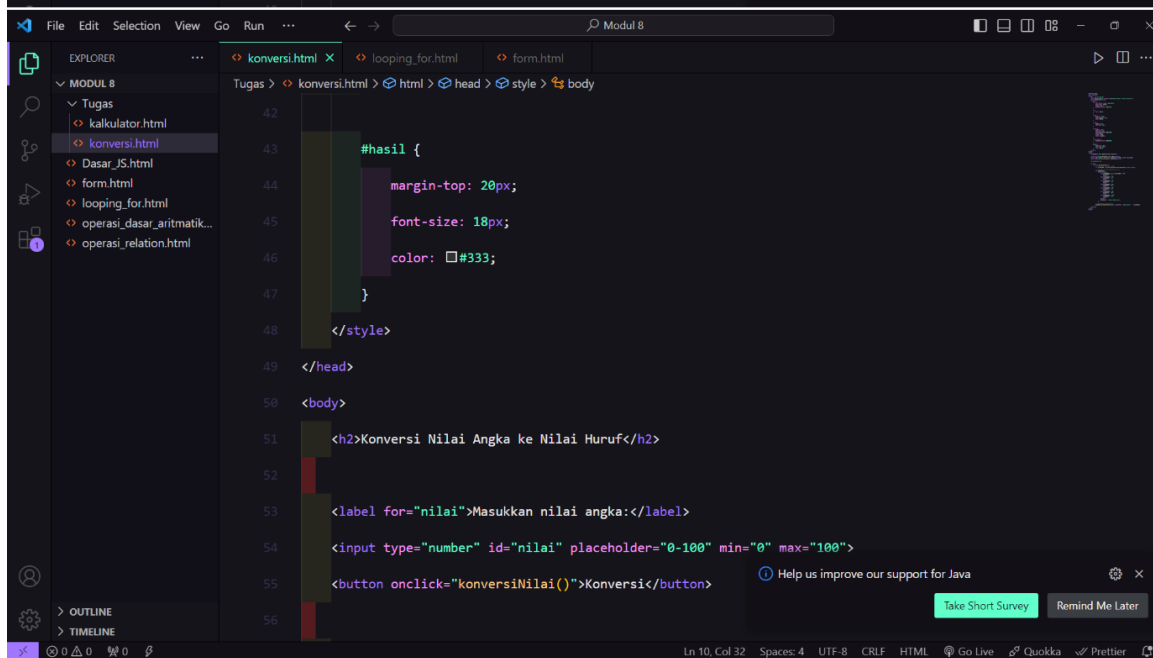
This screenshot shows the Visual Studio Code editor with the file explorer on the left. The main editor window shows the 'konversi.html' file with CSS code. The breadcrumb navigation at the top indicates the path: 'Tugas > konversi.html > html > head > style > body'. The code defines styles for the label and input elements.

```
18
19     label {
20         display: block;
21         margin-bottom: 10px;
22         color: #333;
23     }
24
25     input {
26         padding: 8px;
27         font-size: 16px;
28     }
29
```



This screenshot shows the VS Code editor with the file explorer on the left displaying a project named 'MODUL 8' containing several HTML files. The main editor window is open to 'konversi.html' and shows CSS code for a button. The code is as follows:

```
29
30     button {
31         padding: 10px;
32         font-size: 16px;
33         background-color: #4caf50;
34         color: #fff;
35         border: none;
36         cursor: pointer;
37     }
38
39     button:hover {
40         background-color: #45a049;
41     }
```



This screenshot shows the same VS Code editor with the 'konversi.html' file open, displaying the HTML structure of the page. The code is as follows:

```
42
43     #hasil {
44         margin-top: 20px;
45         font-size: 18px;
46         color: #333;
47     }
48 </style>
49 </head>
50 <body>
51     <h2>Konversi Nilai Angka ke Nilai Huruf</h2>
52
53     <label for="nilai">Masukkan nilai angka:</label>
54     <input type="number" id="nilai" placeholder="0-100" min="0" max="100">
55     <button onclick="konversiNilai()">Konversi</button>
56
```

At the bottom of the editor, there is a status bar showing 'Ln 10, Col 32' and various settings like 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', 'Go Live', 'Quokka', and 'Prettier'. A small notification banner at the bottom right says 'Help us improve our support for Java' with buttons for 'Take Short Survey' and 'Remind Me Later'.

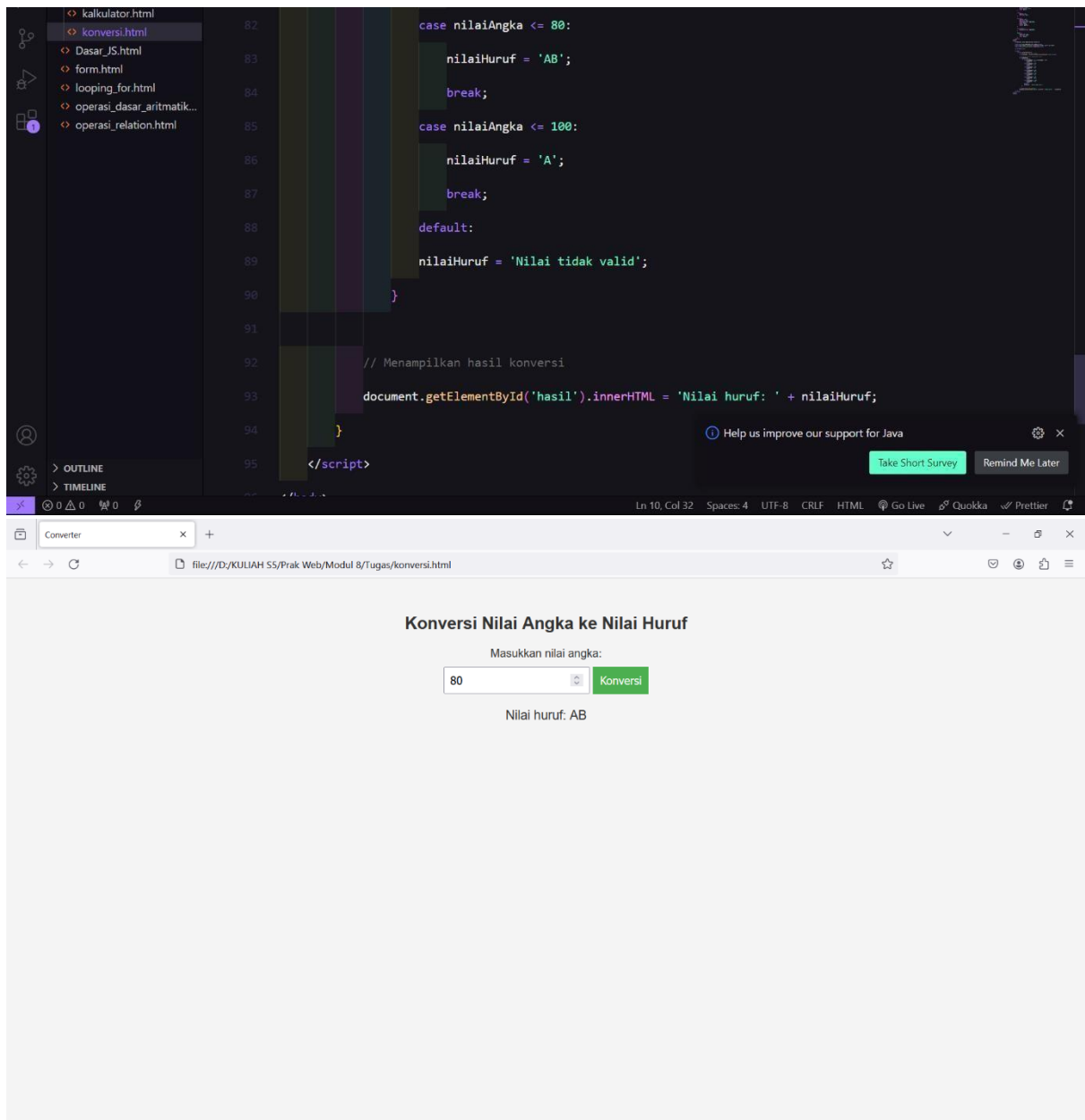
The image displays two sequential screenshots of a Visual Studio Code editor window, showing the development of a JavaScript function named `konversiNilai()` within a file named `konversi.html`. The Explorer sidebar on the left lists files under 'MODUL 8', including `Tugas`, `kalkulator.html`, `konversi.html`, `Dasar_JS.html`, `form.html`, `looping_for.html`, `operasi_dasar_aritmatik...`, and `operasi_relation.html`.

Top Screenshot: The code editor shows the initial implementation of the `konversiNilai()` function. It starts with a comment `// Mendapatkan nilai dari input` and assigns `nilaiAngka` using `parseInt(document.getElementById('nilai').value);`. A comment `// Melakukan konversi menggunakan switch` precedes the `switch (true)` statement. The first case is `case nilaiAngka >= 0 && nilaiAngka <= 40:`, which sets `nilaiHuruf = 'E';` and includes a `break;` statement.

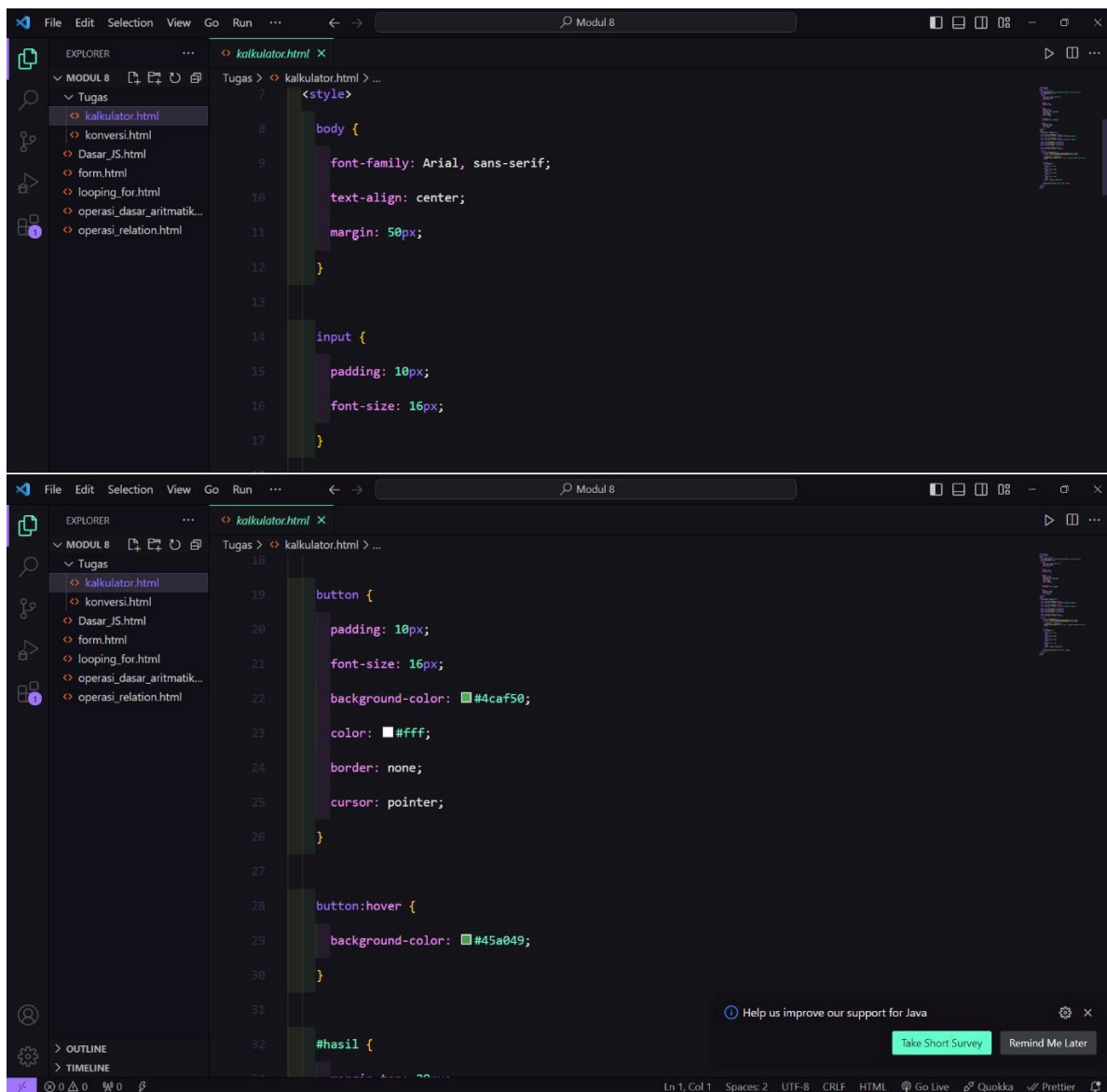
Bottom Screenshot: This screenshot shows the completed function with multiple cases. The `switch (true)` statement includes the following cases:

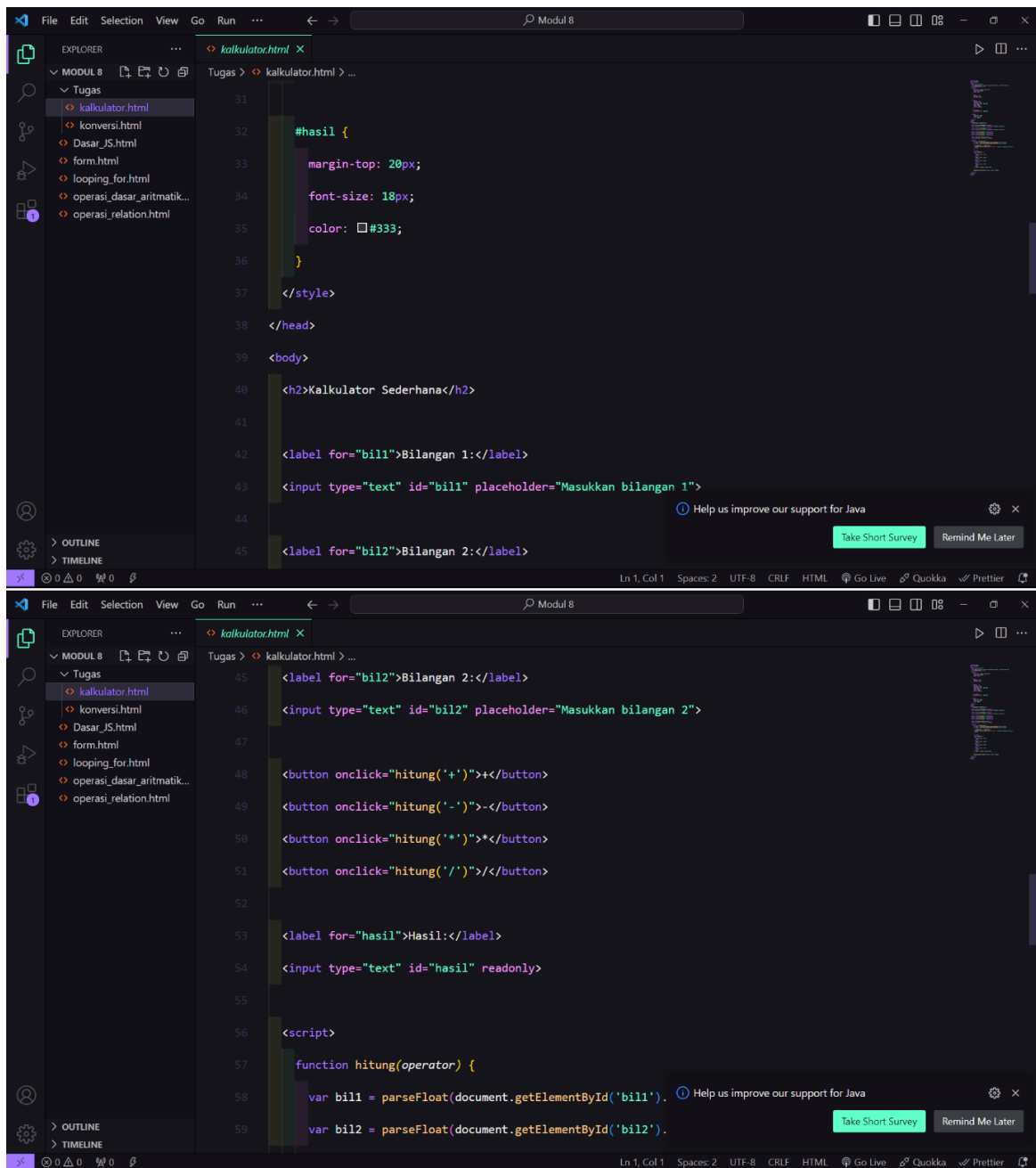
- `case nilaiAngka <= 55:` sets `nilaiHuruf = 'D';` and includes a `break;`.
- `case nilaiAngka <= 60:` sets `nilaiHuruf = 'C';` and includes a `break;`.
- `case nilaiAngka <= 65:` sets `nilaiHuruf = 'BC';` and includes a `break;`.
- `case nilaiAngka <= 70:` sets `nilaiHuruf = 'B';` and includes a `break;`.
- `case nilaiAngka <= 80:` sets `nilaiHuruf = 'AB';`.

The status bar at the bottom indicates the cursor is at `Ln 10, Col 32` with `Spaces: 4`, `UTF-8` encoding, and `CRLF` line endings. The editor is configured for `HTML` with `Go Live`, `Quokka`, and `Prettier` extensions active.



Tugas No 2





This screenshot shows the first part of a JavaScript script in a VS Code editor. The Explorer sidebar on the left shows a project structure with 'MODUL 8' containing a 'Tugas' folder with files like 'kalkulator.html', 'konversi.html', 'Dasar_JS.html', 'form.html', 'looping_for.html', 'operasi_dasar_aritmatik...', and 'operasi_relation.html'. The main editor area shows the 'kalkulator.html' file with the following code:

```
<script>
56
57 function hitung(operator) {
58     var bill1 = parseFloat(document.getElementById('bill1').value);
59     var bill2 = parseFloat(document.getElementById('bill2').value);
60
61     if (isNaN(bill1) || isNaN(bill2)) {
62         document.getElementById('hasil').value = 'Masukkan bilangan yang valid.';
63         return;
64     }
65
66     var hasil;
67     switch (operator) {
68         case '+':
69             hasil = bill1 + bill2;
70             break;
```

The status bar at the bottom indicates 'Ln 1, Col 1', 'Spaces: 2', 'UTF-8', 'CRLF', 'HTML', and includes icons for 'Go Live', 'Quokka', and 'Prettier'.

This screenshot shows the continuation of the JavaScript script from the previous image. The main editor area shows the following code:

```
71         case '-':
72             hasil = bill1 - bill2;
73             break;
74         case '*':
75             hasil = bill1 * bill2;
76             break;
77         case '/':
78             hasil = bill1 / bill2;
79             break;
80     default:
```

The status bar at the bottom indicates 'Ln 1, Col 1', 'Spaces: 2', 'UTF-8', 'CRLF', 'HTML', and includes icons for 'Go Live', 'Quokka', and 'Prettier'.

```
78     hasil = bil1 / bil2;
79     break;
80     default:
81     hasil = 'Operasi tidak valid.';
82 }
83
84 document.getElementById('hasil').value = hasil;
85 }
86 </script>
87 </body>
88 </html>
89
```

Kalkulator Sederhana

Bilangan 1: Bilangan 2: + - * / Hasil: