

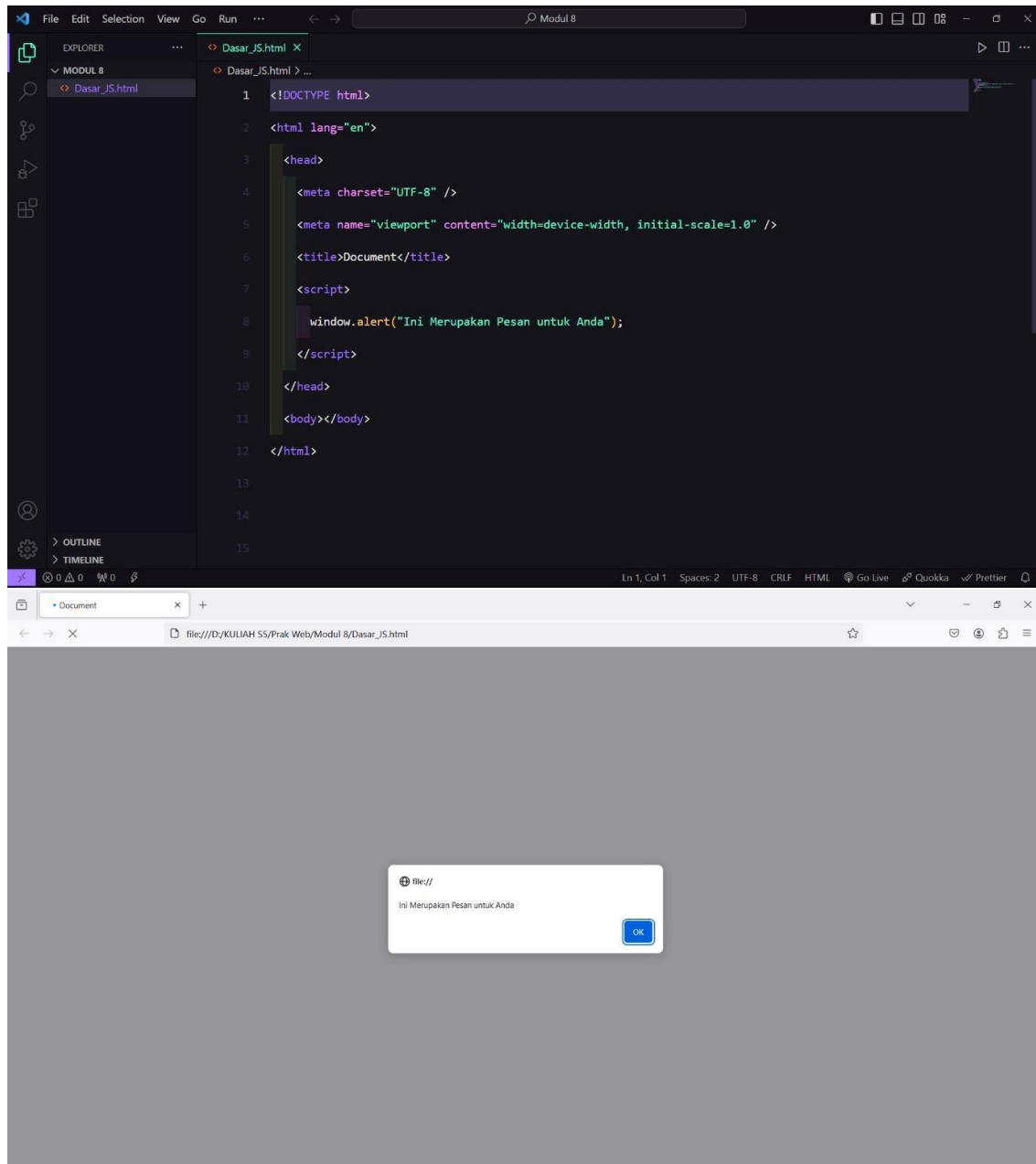
## Modul 8 Javascript

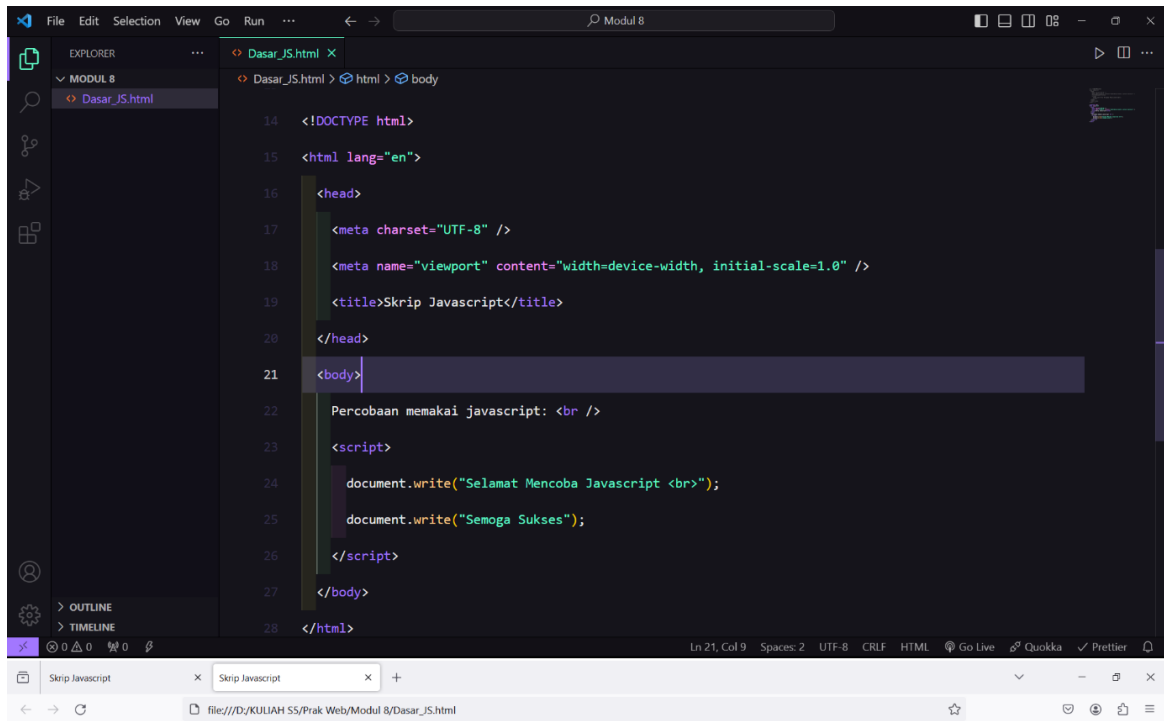
Nama : Andhika

Muhammad Nur

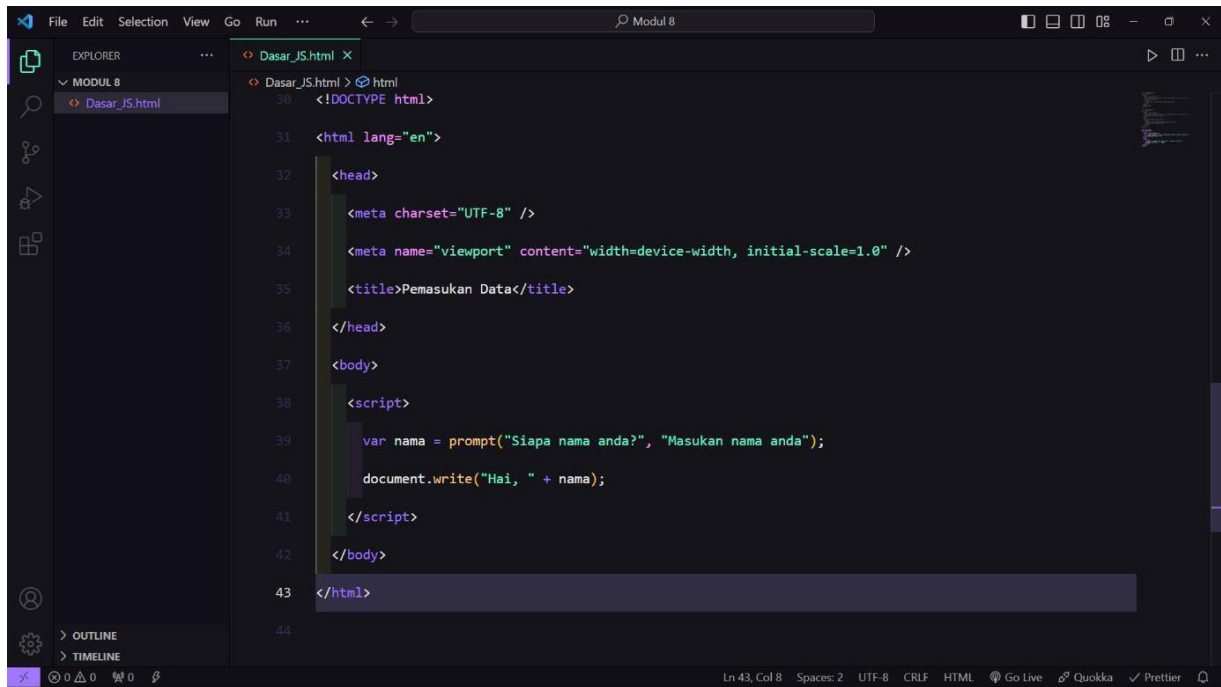
NIM : 2105101001

## Dasar – Dasar Javascript

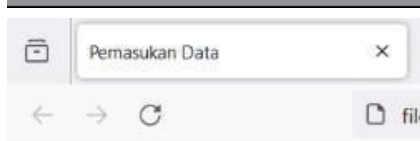
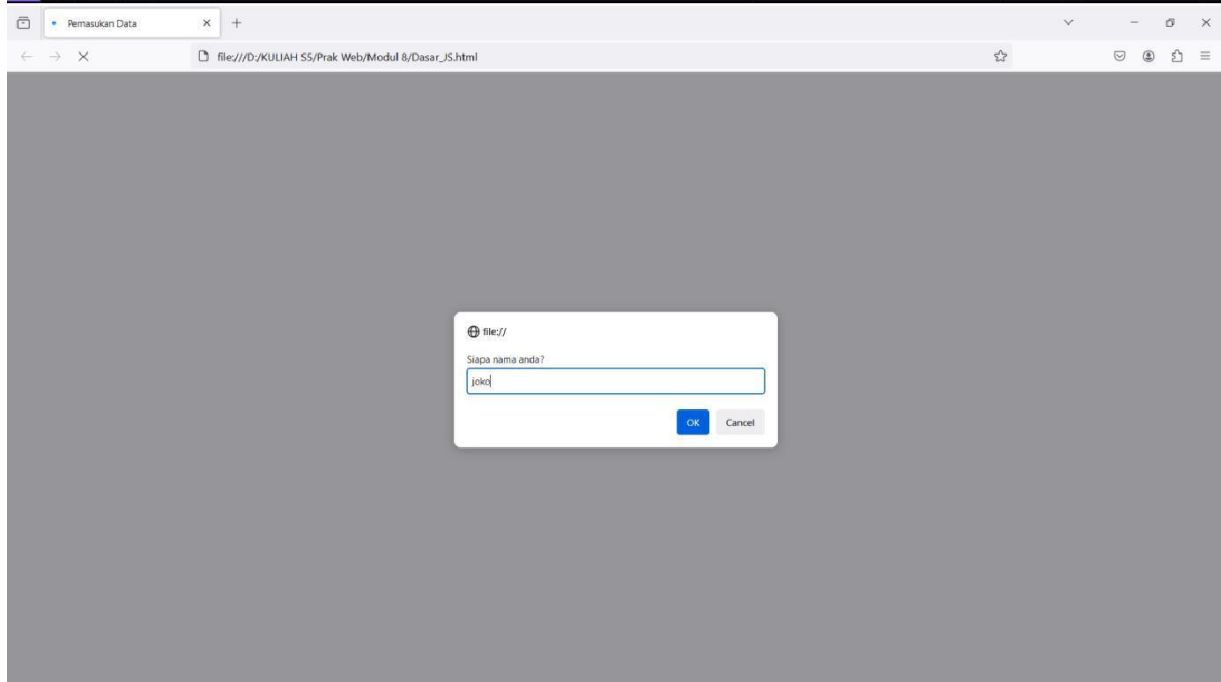




Percobaan memakai javascript:  
Selamat Mencoba Javascript  
Semoga Sukses

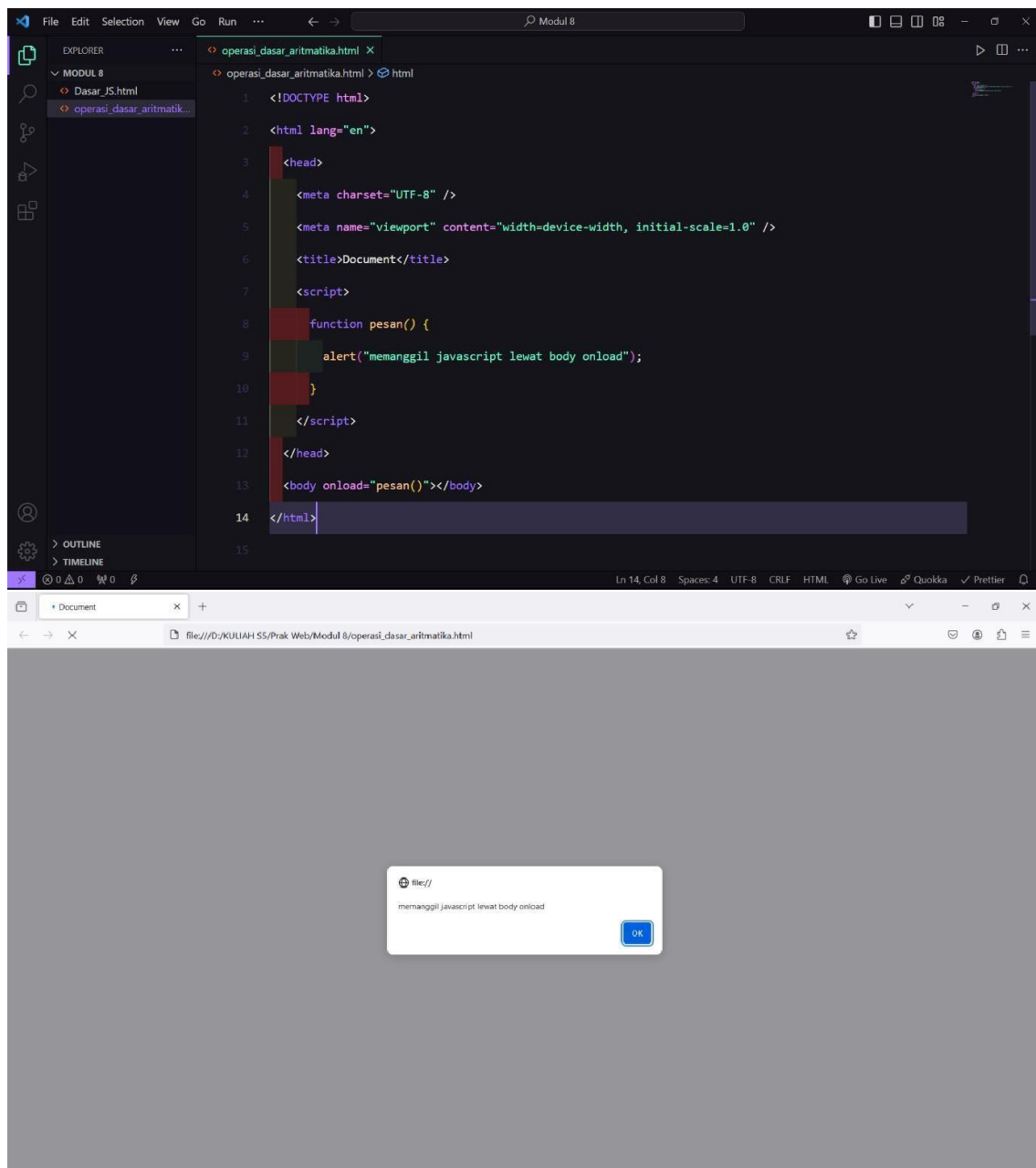


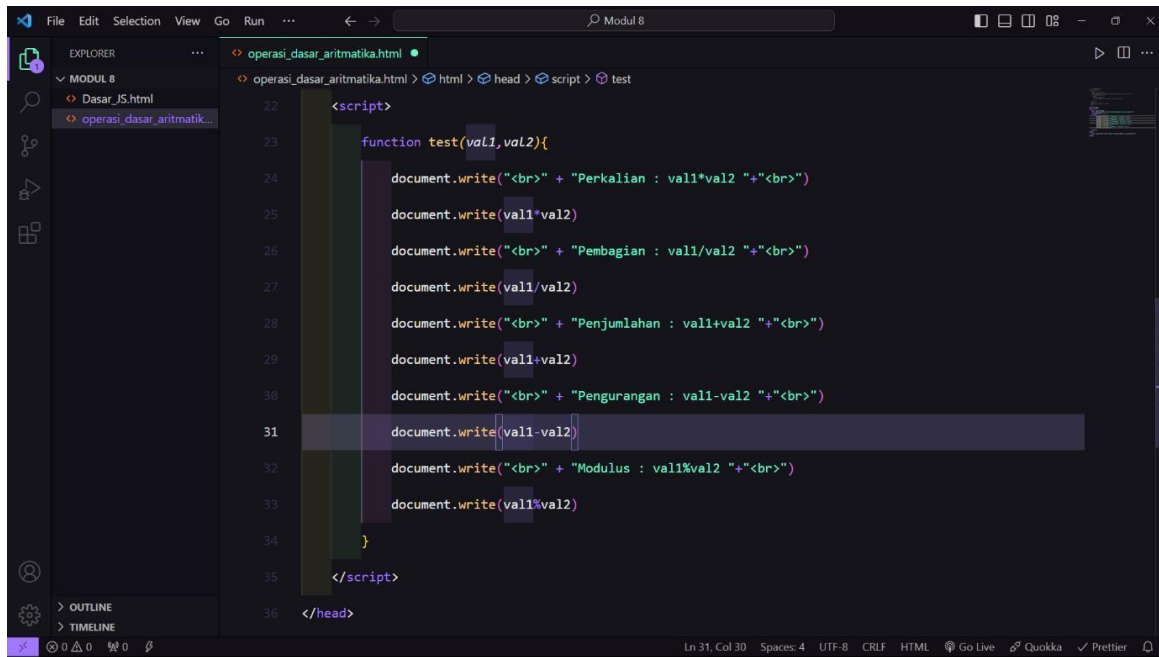
```
30 <!DOCTYPE html>
31 <html lang="en">
32 <head>
33   <meta charset="UTF-8" />
34   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
35   <title>Pemasukan Data</title>
36 </head>
37 <body>
38   <script>
39     var nama = prompt("Siapa nama anda?", "Masukan nama anda");
40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



Hai, joko

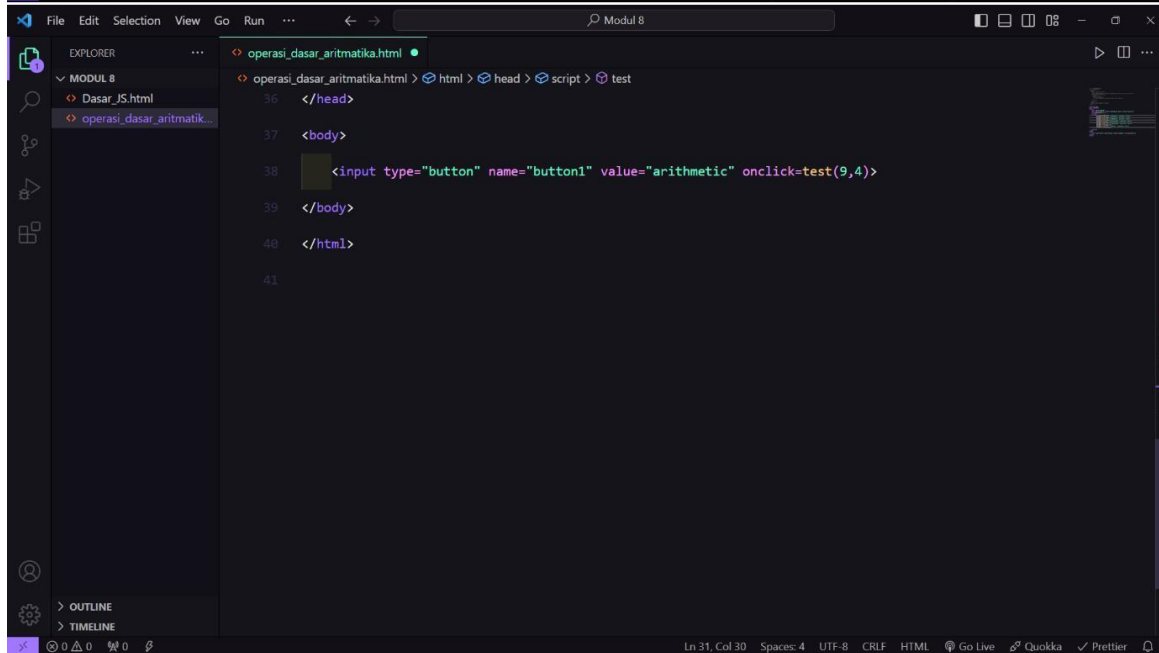
## Operasi Dasar Aritmatika





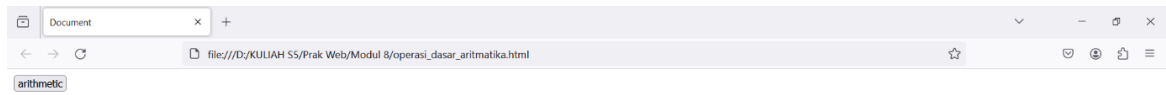
This screenshot shows the JavaScript code within the script tag of the file operasi\_dasar\_aritmatika.html. The code defines a function named test that takes two parameters, val1 and val2. Inside the function, several document.write statements are used to display the results of various arithmetic operations: multiplication (Perkalian), multiplication result (document.write(val1\*val2)), division (Pembagian), division result (document.write(val1/val2)), addition (Penjumlahan), addition result (document.write(val1+val2)), subtraction (Pengurangan), subtraction result (document.write(val1-val2)), modulus (Modulus), and modulus result (document.write(val1%val2)). The function is called with test(9,4) at the end of the script block.

```
22 <script>
23
24     function test(val1, val2){
25
26         document.write("<br>" + "Perkalian : val1*val2 "+"<br>")
27
28         document.write(val1*val2)
29
30         document.write("<br>" + "Pembagian : val1/val2 "+"<br>")
31
32         document.write(val1/val2)
33
34         document.write("<br>" + "Penjumlahan : val1+val2 "+"<br>")
35
36         document.write(val1+val2)
37
38         document.write("<br>" + "Pengurangan : val1-val2 "+"<br>")
39
40         document.write(val1-val2)
41
42         document.write("<br>" + "Modulus : val1%val2 "+"<br>")
43
44         document.write(val1%val2)
45
46     }
47
48 </script>
49
50 </head>
```



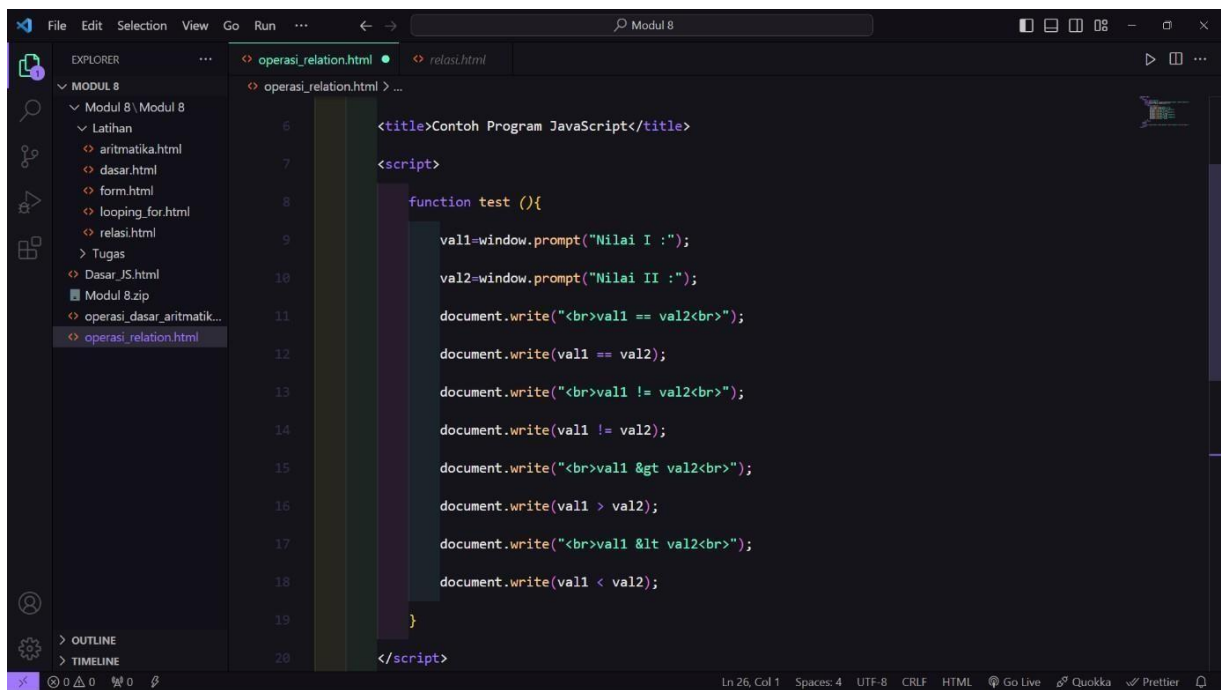
This screenshot shows the HTML structure of the file operasi\_dasar\_aritmatika.html. The file is an HTML document with a head section (containing the script from the previous screenshot) and a body section. The body contains a single button element with the following attributes: type="button", name="button1", value="arithmetic", and an onclick event that calls the test function with arguments 9 and 4. The document is properly closed with </body> and </html> tags.

```
36 </head>
37
38 <body>
39
40     <input type="button" name="button1" value="arithmetic" onclick=test(9,4)>
41
42 </body>
43
44 </html>
45
```



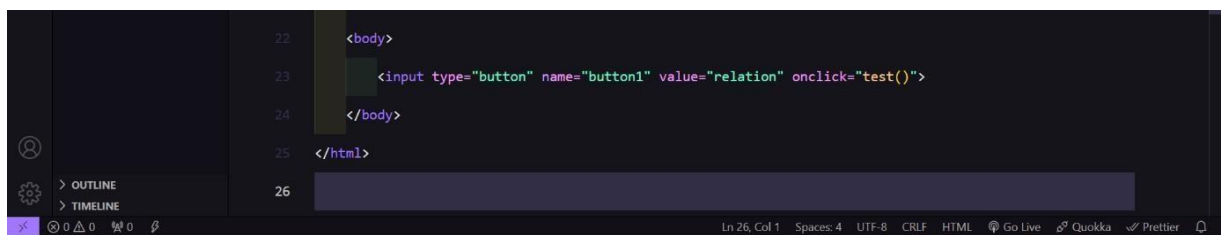
Perkalian : val1\*val2  
36  
Pembagian : val1/val2  
2.25  
Penjumlahan : val1+val2  
13  
Pengurangan : val1-val2  
5  
Modulus : val1%val2  
1

## Operasi relational

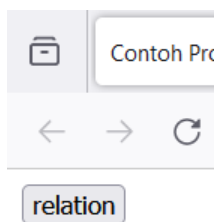


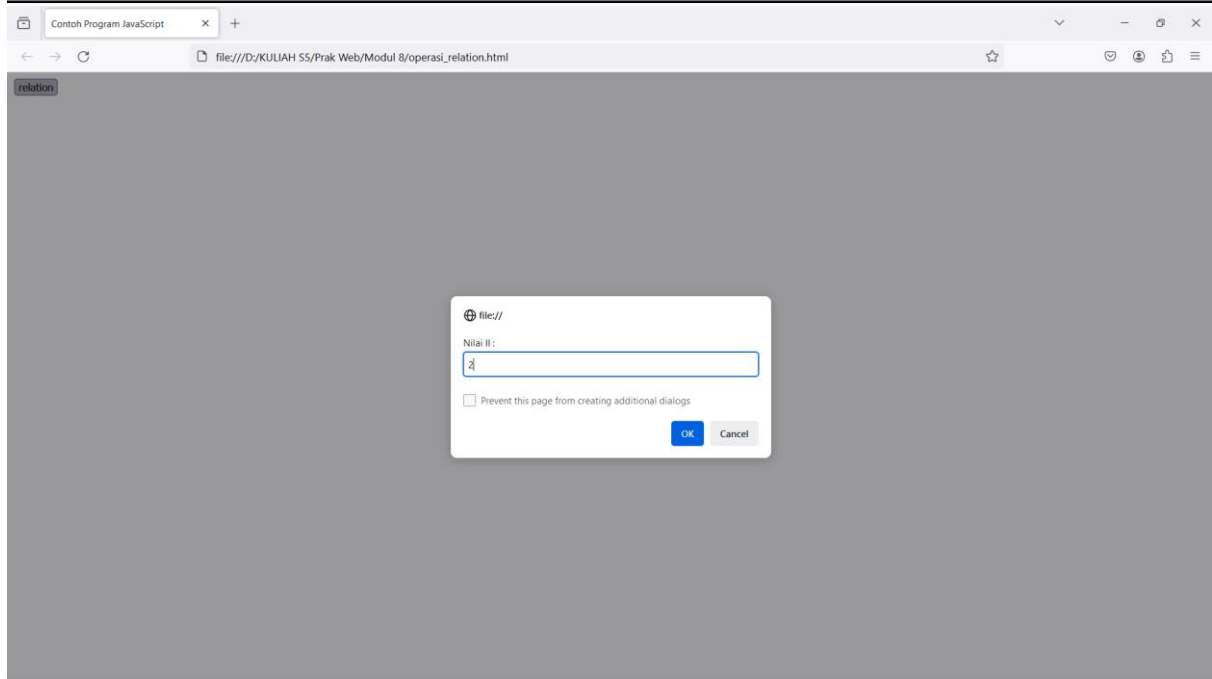
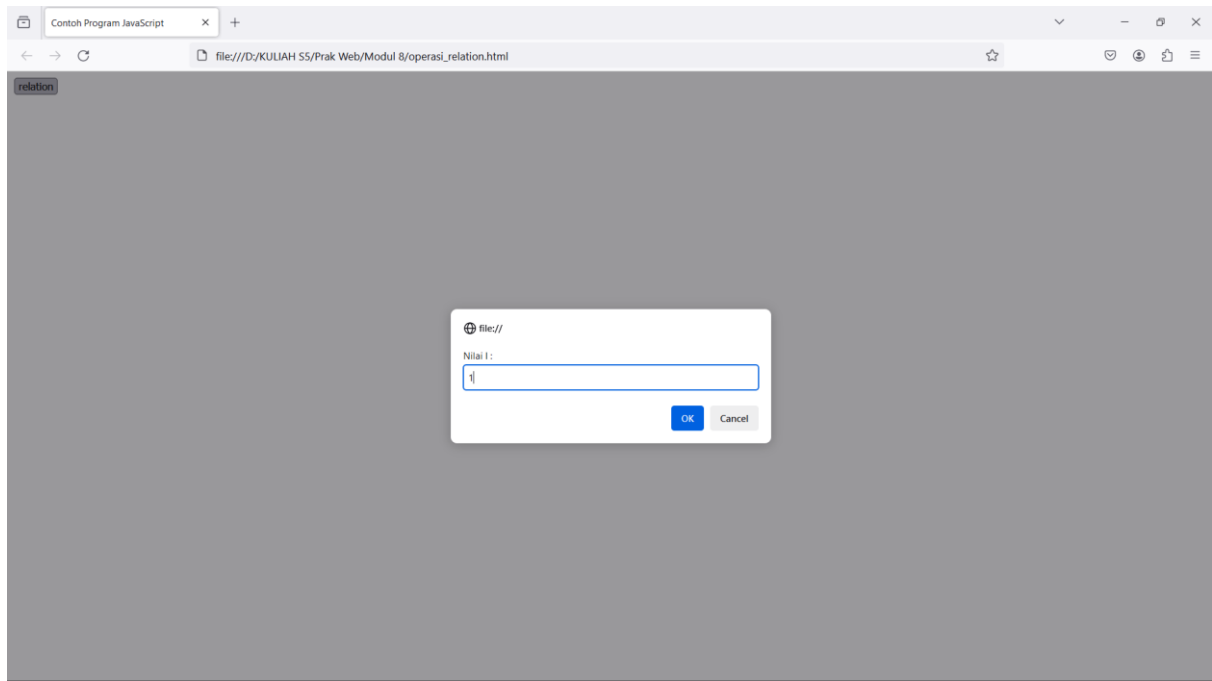
```
File Edit Selection View Go Run ... Modul 8
EXPLORER
  MODUL 8
    Modul 8 \ Modul 8
      Latihan
        aritmatika.html
        dasar.html
        form.html
        looping_for.html
        relasi.html
      Tugas
        Dasar_JS.html
        Modul 8.zip
        operasi_dasar_aritmatik...
        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 <script>
8   function test (){
9     val1=window.prompt("Nilai I :");
10    val2=window.prompt("Nilai II :");
11    document.write("<br>val1 == val2<br>");
12    document.write(val1 == val2);
13    document.write("<br>val1 != val2<br>");
14    document.write(val1 != val2);
15    document.write("<br>val1 &gt; val2<br>");
16    document.write(val1 > val2);
17    document.write("<br>val1 &lt; val2<br>");
18    document.write(val1 < val2);
19  }
20 </script>
```



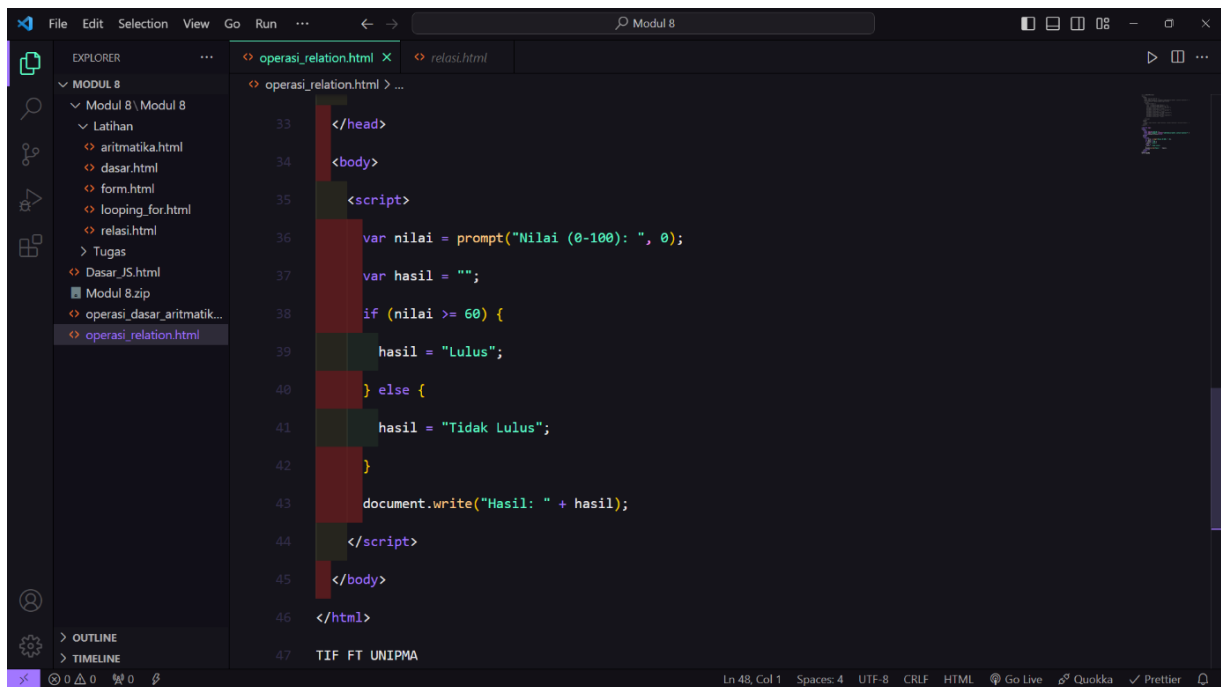
```
Ln 26, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live Quokka Prettier
22 <body>
23   <input type="button" name="button1" value="relation" onclick="test()">
24 </body>
25 </html>
26
```



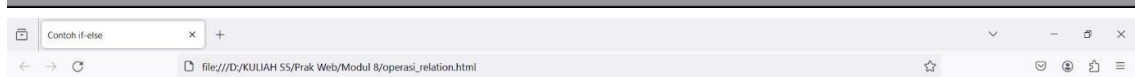
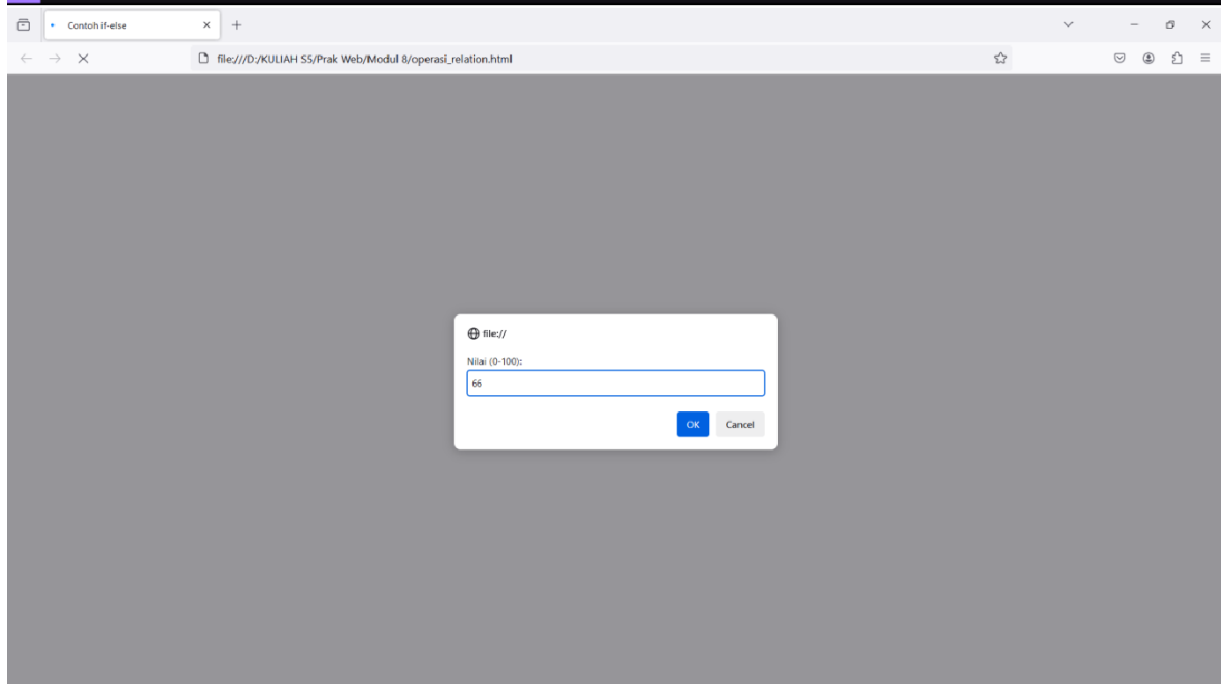


```
val1 == val2
false
val1 != val2
true
val1 > val2
false
val1 < val2
true
```



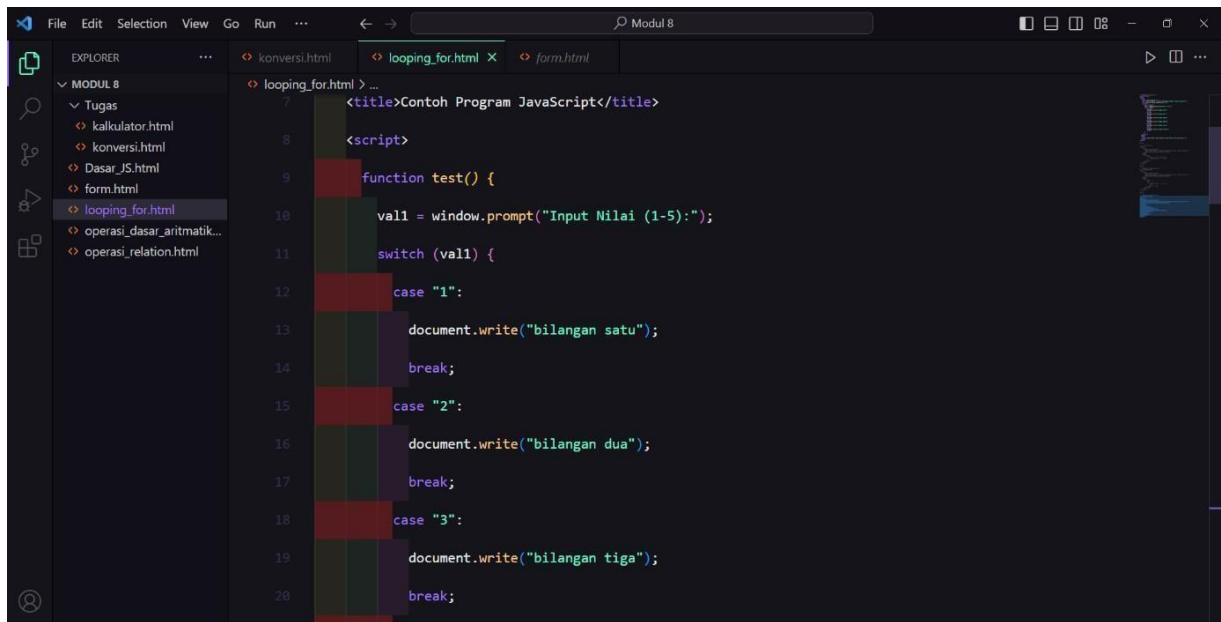


```
33 </head>
34 <body>
35 <script>
36     var nilai = prompt("Nilai (0-100): ", 0);
37     var hasil = "";
38     if (nilai >= 60) {
39         hasil = "Lulus";
40     } else {
41         hasil = "Tidak Lulus";
42     }
43     document.write("Hasil: " + hasil);
44 </script>
45 </body>
46 </html>
47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



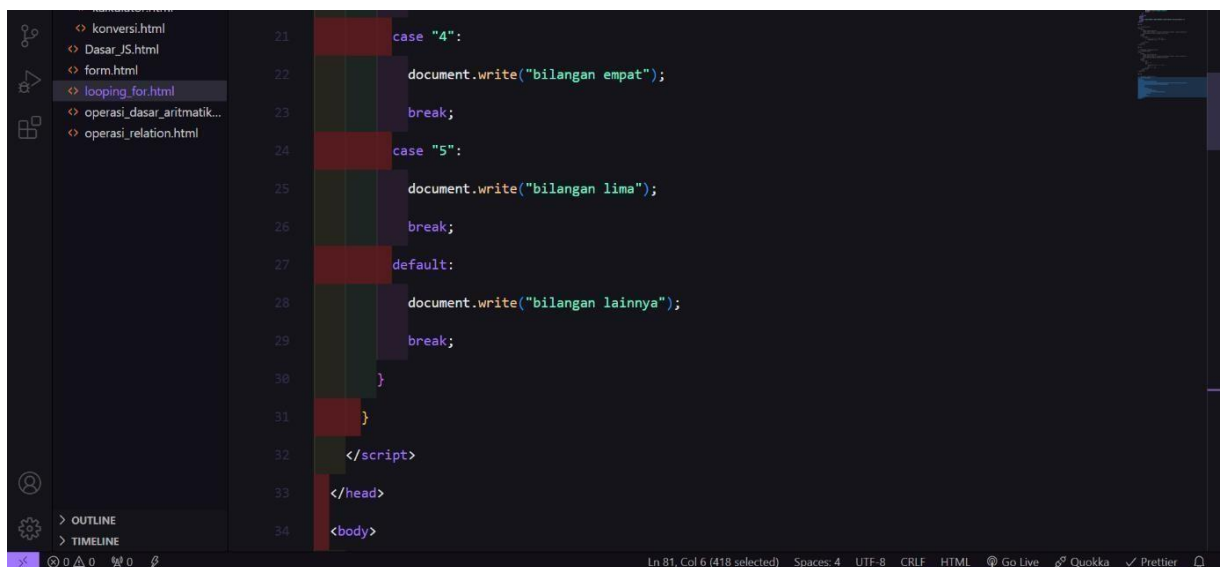
Hasil: Lulus TIF FT UNIPMA

## Looping for



This screenshot shows the first part of a JavaScript program in a file named 'looping\_for.html'. The code defines a function 'test()' that prompts the user for a value between 1 and 5, then uses a switch statement to write the corresponding number in Indonesian (e.g., 'bilangan satu' for 1). The code is as follows:

```
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;
```



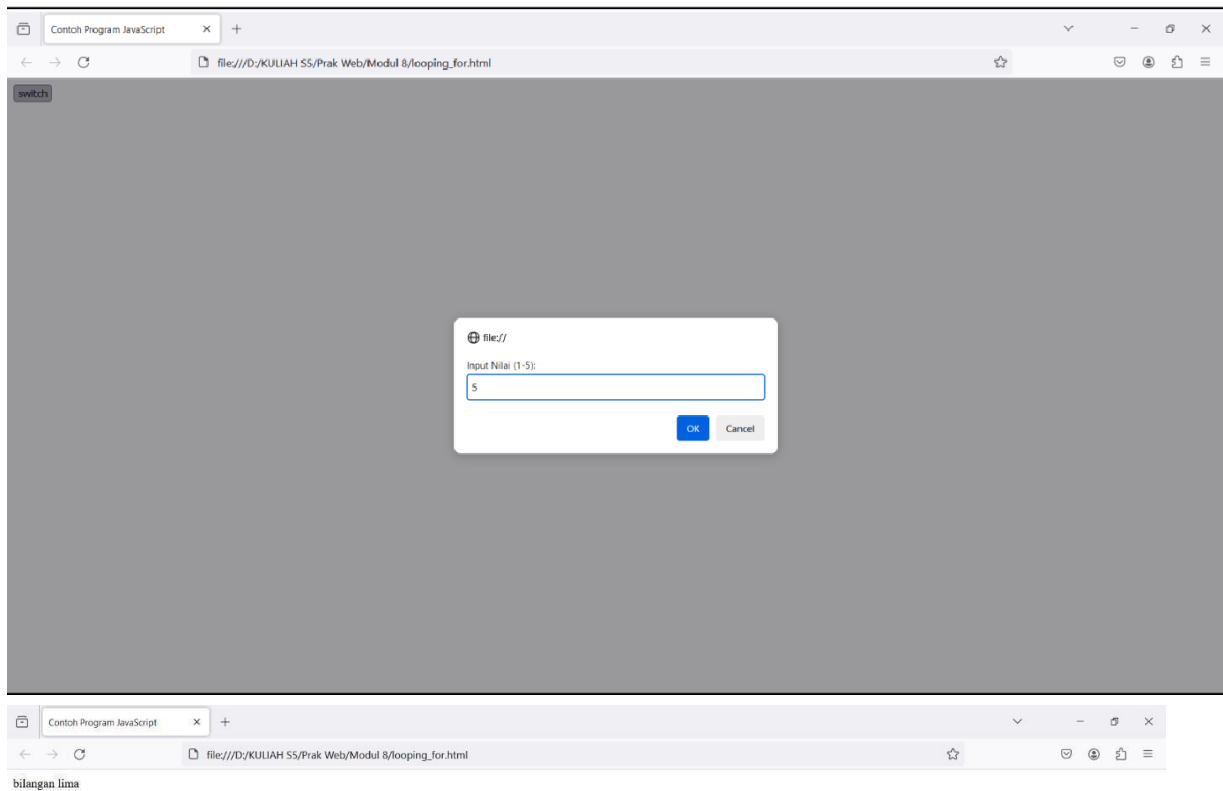
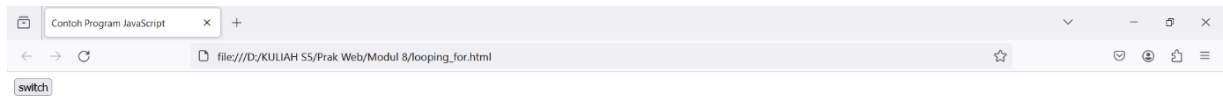
This screenshot shows the continuation of the JavaScript program. It includes cases for the values 4 and 5, and a default case that handles any other input. The code is as follows:

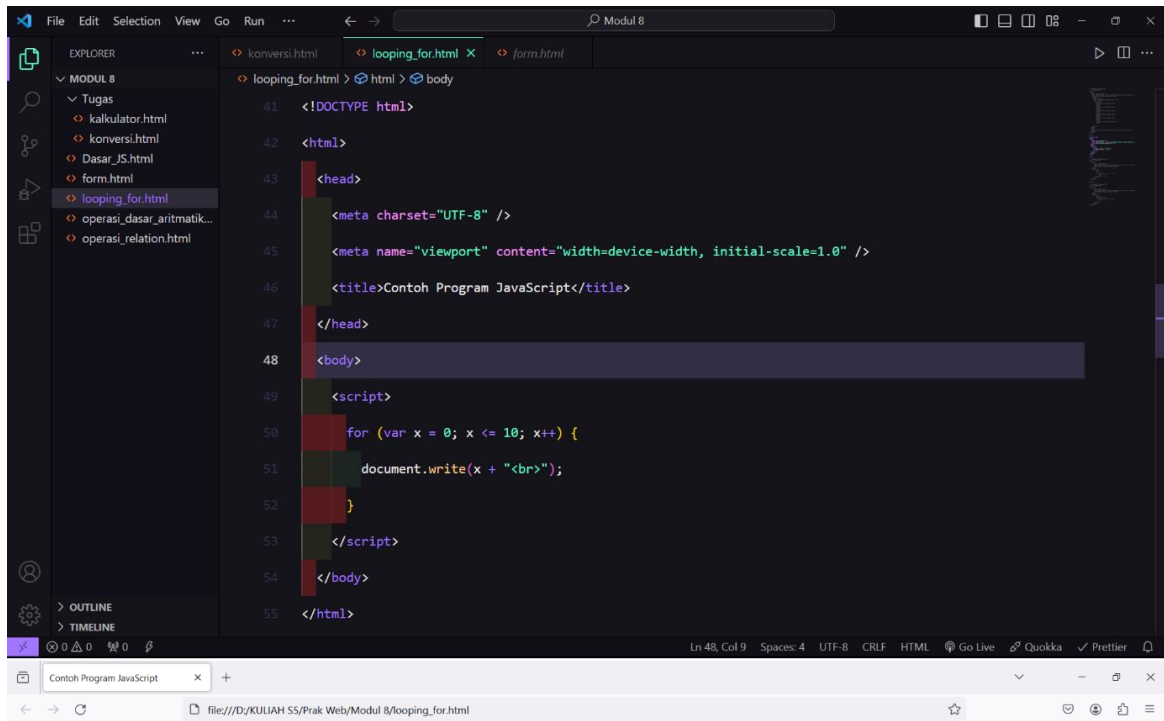
```
21 case "4":
22     document.write("bilangan empat");
23     break;
24 case "5":
25     document.write("bilangan lima");
26     break;
27 default:
28     document.write("bilangan lainnya");
29     break;
30 }
31 }
32 </script>
33 </head>
34 <body>
```



This screenshot shows the HTML structure of the program. It includes the closing tags for the head and body, and a button that triggers the 'test()' function when clicked. The code is as follows:

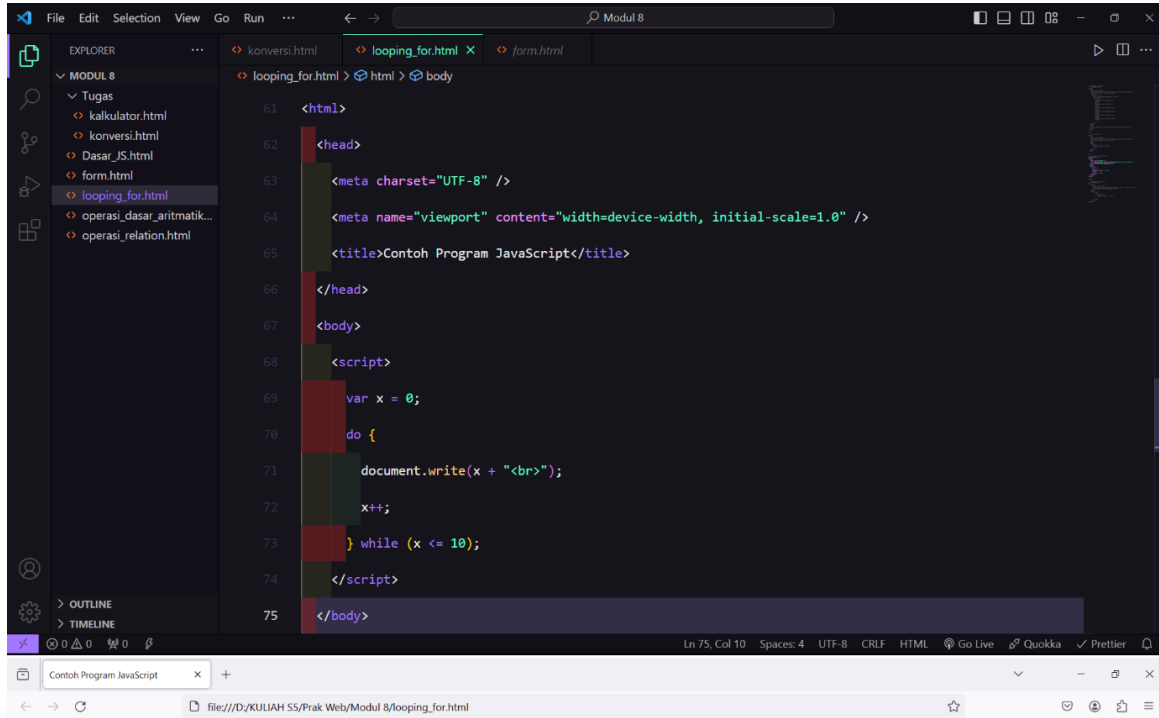
```
33 </head>
34 <body>
35     <input type="button" name="button1" value="switch" onclick="test()" />
36 </body>
37 </html>
38
39 <br />
```





0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10

## Looping do while

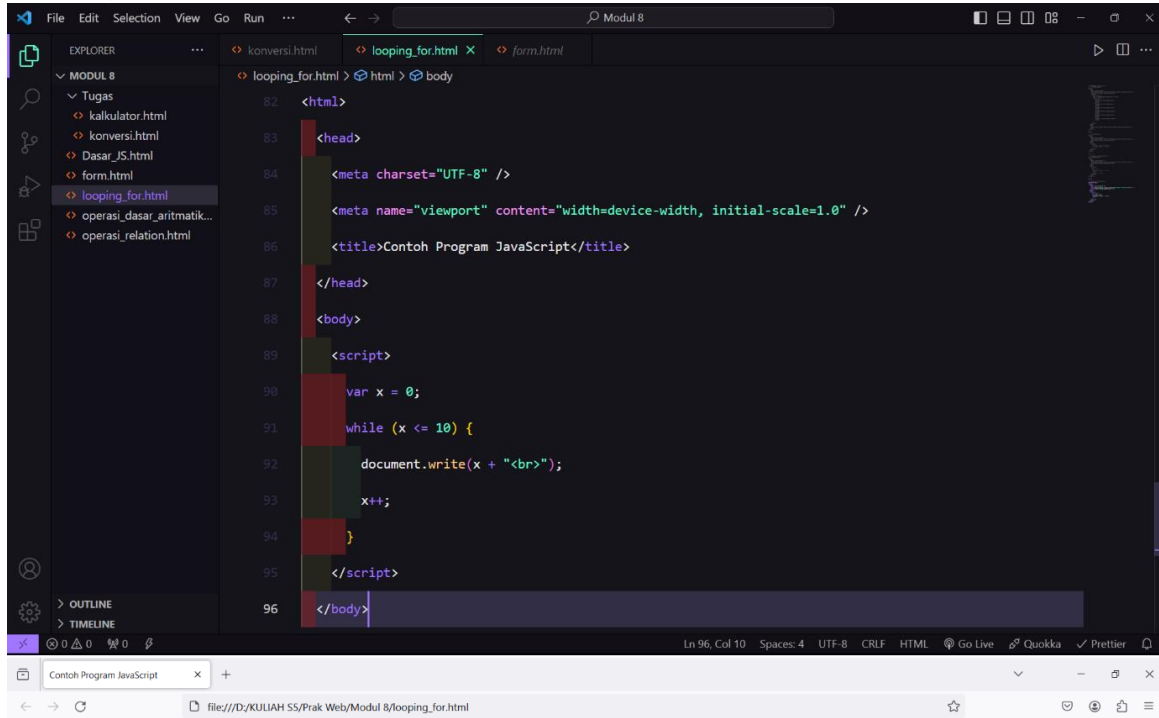


The screenshot shows a Visual Studio Code editor window with a file named `looping_for.html` open. The file contains an HTML document with a JavaScript do-while loop. The Explorer sidebar on the left shows a project structure with a folder named 'MODUL 8' containing several HTML files. The bottom status bar indicates the current position is Line 75, Column 10, with 4 spaces, UTF-8 encoding, and CRLF line endings. The browser window at the bottom shows the file path: `file:///D:/KULIAH SS/Prak Web/Modul 8/looping_for.html`.

```
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  
2  
3  
4  
5  
6  
7  
8  
9  
10

## Looping while



The screenshot shows a VS Code editor with a file named `looping_for.html` open. The file contains an HTML document with a JavaScript `while` loop. The loop starts with `var x = 0;` and continues as long as `x <= 10`. Inside the loop, `document.write(x + "<br>");` is executed, followed by `x++;`. The HTML structure includes a `<html>` tag, a `<head>` section with `<meta charset="UTF-8" />` and `<meta name="viewport" content="width=device-width, initial-scale=1.0" />`, and a `<title>Contoh Program JavaScript</title>`. The `<body>` section contains the `<script>` block with the JavaScript code. The status bar at the bottom indicates the current position is Line 96, Column 10, with 4 spaces, UTF-8 encoding, CRLF line endings, and HTML file type. Extensions like Go Live, Quokka, and Prettier are also visible.

```
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>
```

0  
1  
2  
3  
4  
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6  
7  
8  
9  
10

## Form input

The image shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project named 'MODUL 8' with several files, including 'form.html' which is currently selected. The main editor area displays the code for 'form.html', which includes a JavaScript function 'test()' and an HTML form. The JavaScript function checks if the value of 'T1' is even or odd and updates the value of 'T2' accordingly. The HTML form contains two text input fields, 'T1' and 'T2', and a button 'B1' that triggers the 'test()' function. Below the editor, a browser window is open, showing the rendered form. The form has two text input fields, 'BIL 1' and 'Merupakan Bil', and a button 'TEBAK'. The 'BIL 1' field contains the value '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

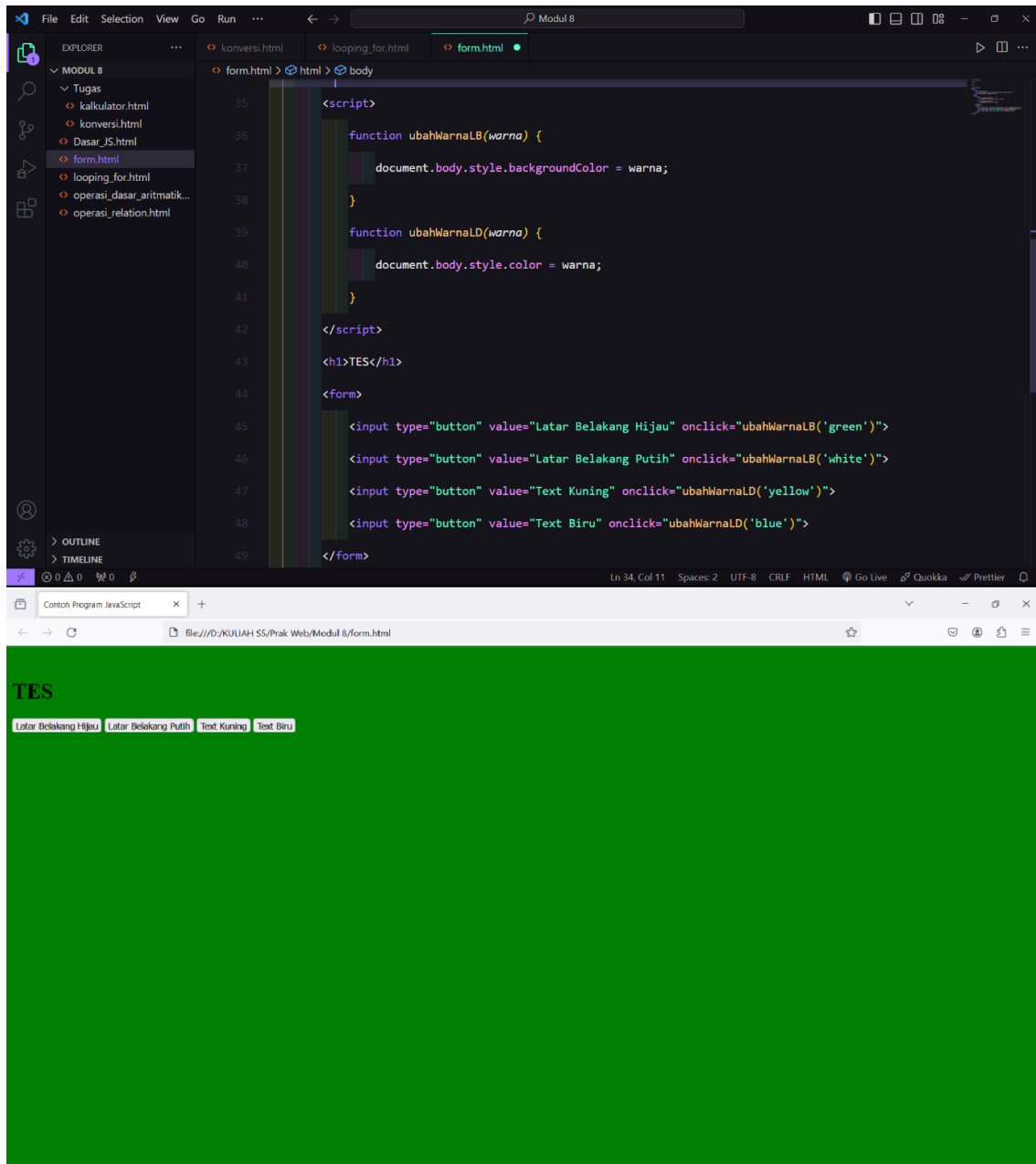
Contoh Program JavaScript x Contoh Program JavaScript +

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

BIL 1 Merupakan Bil bilangan ganjil

TEBAK

## Form Button

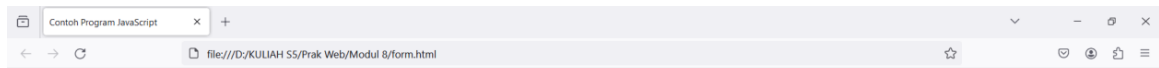


The image shows a Visual Studio Code editor window with a file explorer on the left and a code editor in the center. The file explorer shows a project named 'MODUL 8' with several files, including 'form.html'. The code editor displays the following HTML and JavaScript code:

```
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 window has a title bar that says 'Cortech Program JavaScript' and a URL bar that shows 'file:///D:/KULIAH SS/Prak Web/Modul 8/form.html'. The browser content displays the word 'TES' in large black text on a green background. Below the text, there are four buttons: 'Latar Belakang Hijau', 'Latar Belakang Putih', 'Text Kuning', and 'Text Biru'.





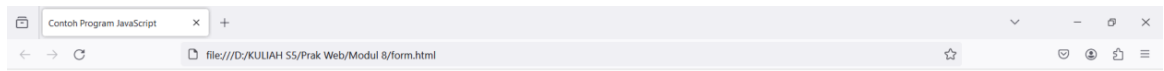
## TES

Latar Belakang Hijau Latar Belakang Putih Text Kuning Text Biru



## TES

Latar Belakang Hijau Latar Belakang Putih Text Kuning Text Biru

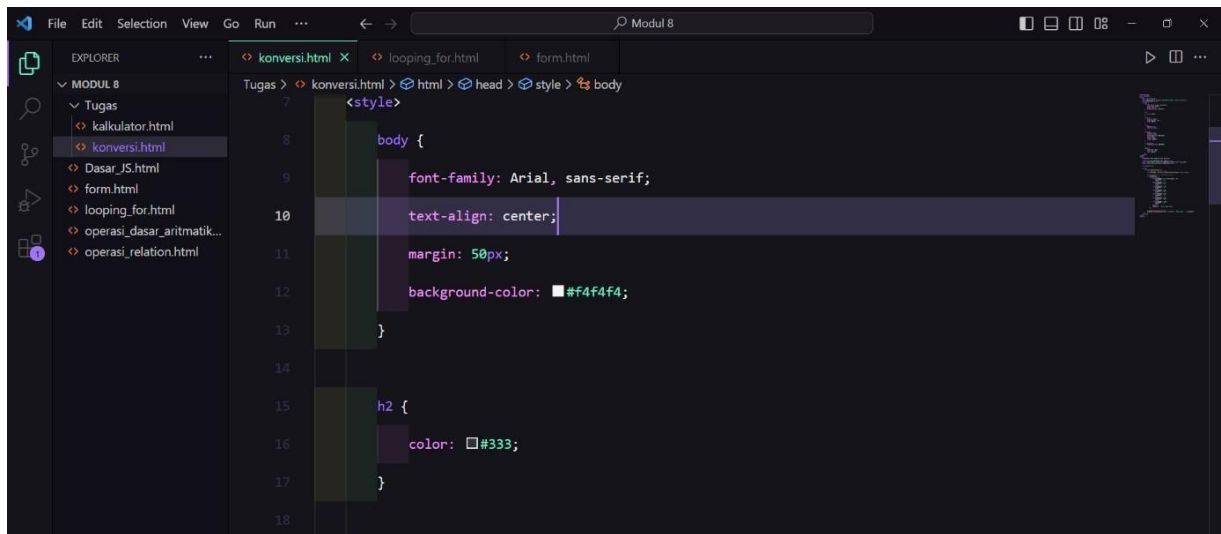


## TES

Latar Belakang Hijau Latar Belakang Putih Text Kuning Text Biru

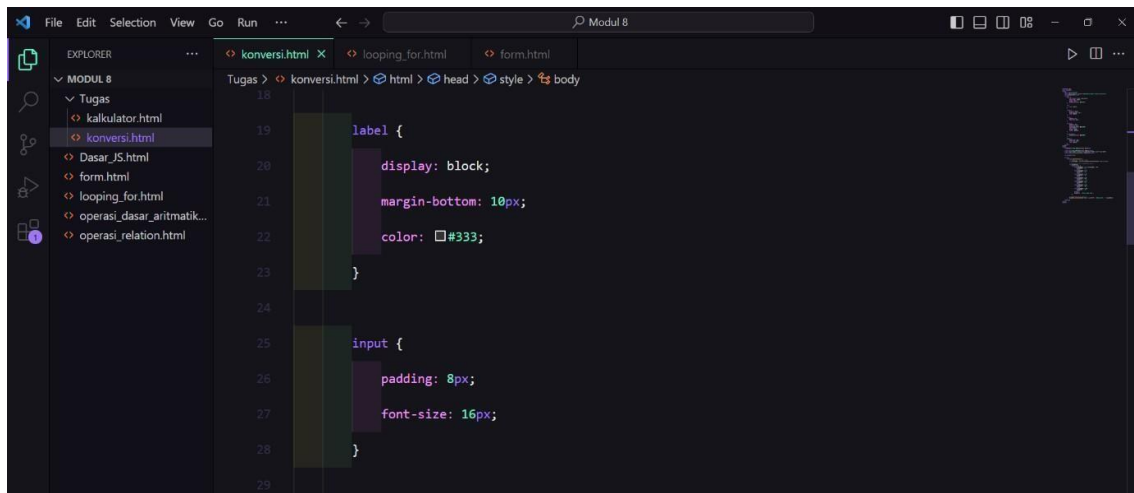
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## Tugas No 1



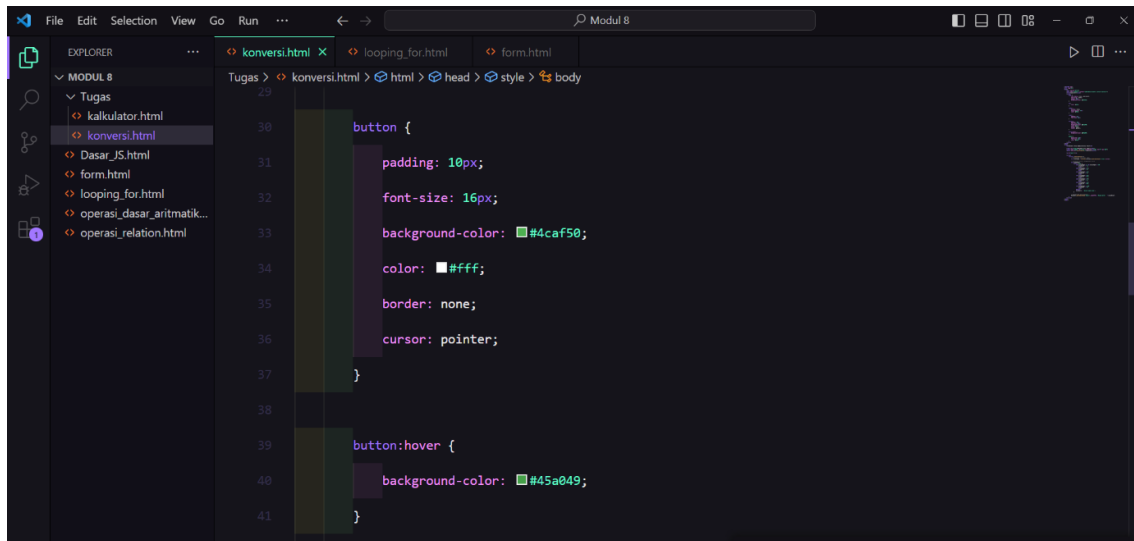
This screenshot shows the Visual Studio Code editor with the file 'konversi.html' open. The breadcrumb trail indicates the path: 'Tugas > konversi.html > html > head > style > body'. The code defines styles for the 'body' and 'h2' elements. The 'body' style includes font-family, text-align, margin, and background-color. The 'h2' style includes color.

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



This screenshot shows the Visual Studio Code editor with the file 'konversi.html' open. The breadcrumb trail indicates the path: 'Tugas > konversi.html > html > head > style > body'. The code defines styles for 'label' and 'input' elements. The 'label' style includes display, margin-bottom, and color. The 'input' style includes padding and font-size.

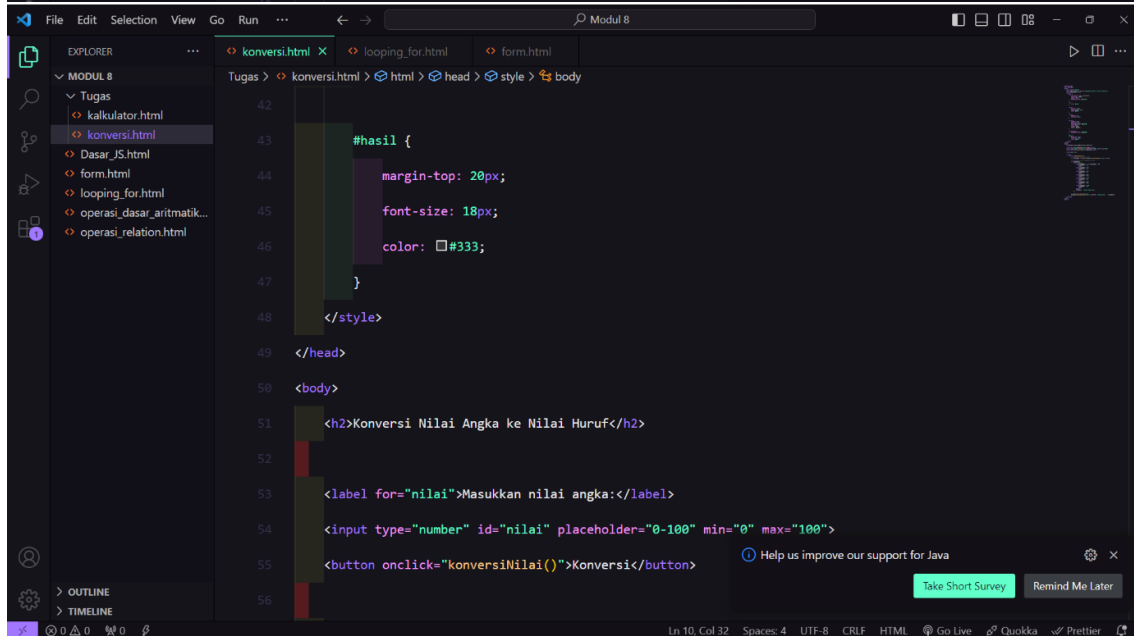
```
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```



This screenshot shows the VS 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 code defines styles for a button and its hover state.

```
button {
  padding: 10px;
  font-size: 16px;
  background-color: #4caf50;
  color: #fff;
  border: none;
  cursor: pointer;
}

button:hover {
  background-color: #45a049;
```



This screenshot shows the VS Code editor with the file explorer on the left. The main editor window shows the 'konversi.html' file with HTML code. The code includes a head section with a CSS link, a body section with a heading, a label, an input field, and a button.

```
<style>
  #hasil {
    margin-top: 20px;
    font-size: 18px;
    color: #333;
  }
</style>

</head>

<body>

  <h2>Konversi Nilai Angka ke Nilai Huruf</h2>

  <label for="nilai">Masukkan nilai angka:</label>

  <input type="number" id="nilai" placeholder="0-100" min="0" max="100">

  <button onclick="konversiNilai()">Konversi</button>
```

The image displays two sequential screenshots of a Visual Studio Code editor window, showing the development of a JavaScript function for converting numerical grades to letter grades. The editor is set to a dark theme, and 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 active file is 'konversi.html', and the editor shows the following code:

**Top Screenshot (Initial Code):**

```
56  
57 <p id="hasil"></p>  
58  
59 <script>  
60 function konversiNilai() {  
61 // Mendapatkan nilai dari input  
62 var nilaiAngka = parseInt(document.getElementById('nilai').value);  
63  
64 // Melakukan konversi menggunakan switch  
65 var nilaiHuruf;  
66 switch (true) {  
67 case nilaiAngka >= 0 && nilaiAngka <= 40:  
68     nilaiHuruf = 'E';  
69     break;
```

**Bottom Screenshot (Completed Code):**

```
69     break;  
70     case nilaiAngka <= 55:  
71         nilaiHuruf = 'D';  
72         break;  
73     case nilaiAngka <= 60:  
74         nilaiHuruf = 'C';  
75         break;  
76     case nilaiAngka <= 65:  
77         nilaiHuruf = 'BC';  
78         break;  
79     case nilaiAngka <= 70:  
80         nilaiHuruf = 'B';  
81         break;  
82     case nilaiAngka <= 80:  
83         nilaiHuruf = 'AB';
```

The bottom screenshot also shows a status bar at the bottom with the following information: 'Ln 10, Col 32', 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', 'Go Live', 'Quokka', 'Prettier', and a 'Help us improve our support for Java' message.

konversi.html

Dasar\_JS.html

form.html

looping\_for.html

operasi\_dasar\_aritmatik...

operasi\_relation.html

82

83

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94

95

OUTLINE

TIMELINE

```
case nilaiAngka <= 80:
    nilaiHuruf = 'AB';
    break;
case nilaiAngka <= 100:
    nilaiHuruf = 'A';
    break;
default:
    nilaiHuruf = 'Nilai tidak valid';
}

// Menampilkan hasil konversi
document.getElementById('hasil').innerHTML = 'Nilai huruf: ' + nilaiHuruf;
}
```

Help us improve our support for Java

Take Short Survey

Remind Me Later

Ln 10, Col 32

Spaces: 4

UTF-8

CRLF

HTML

Go Live

Quokka

Prettier

Converter

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

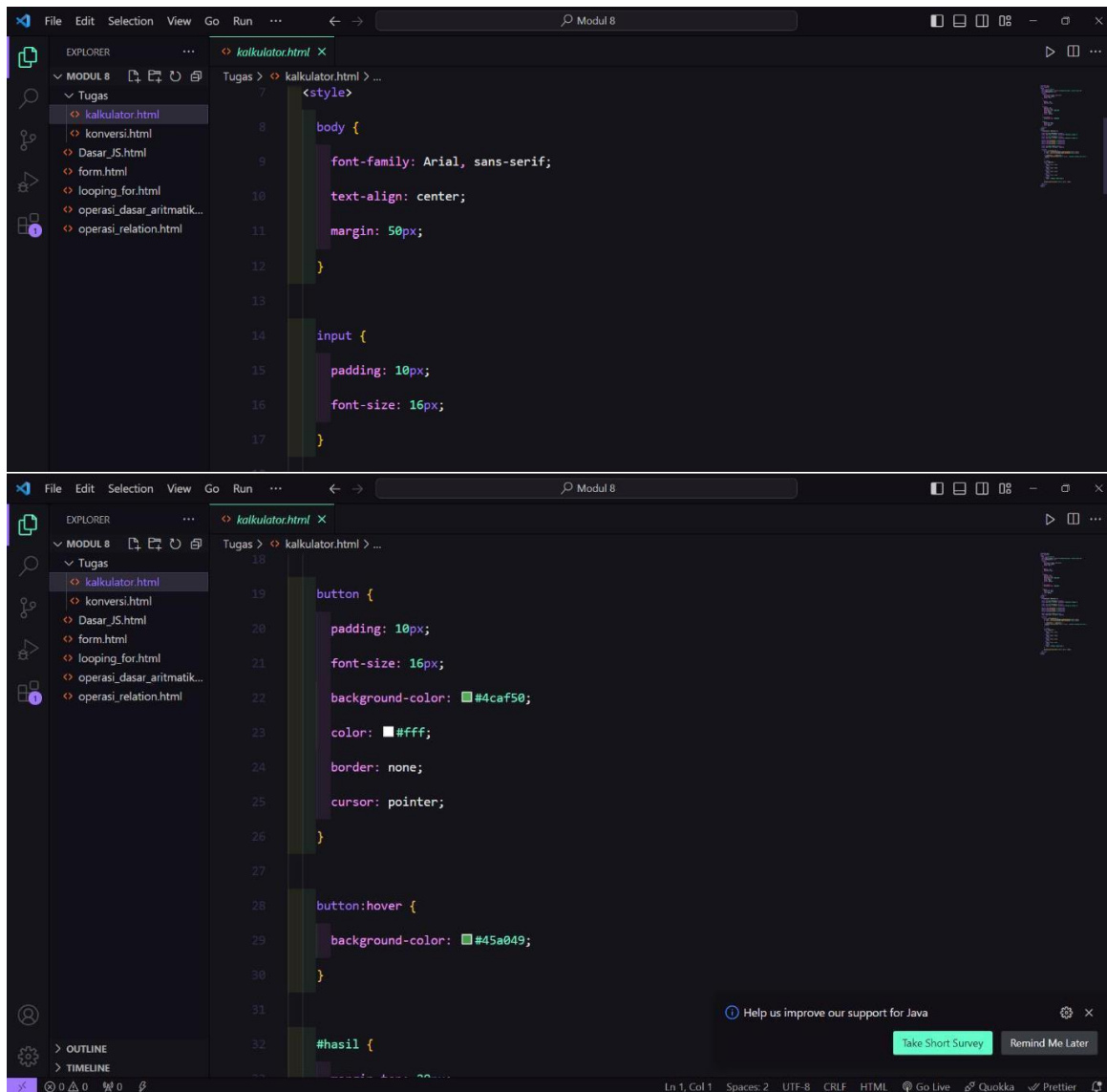
### Konversi Nilai Angka ke Nilai Huruf

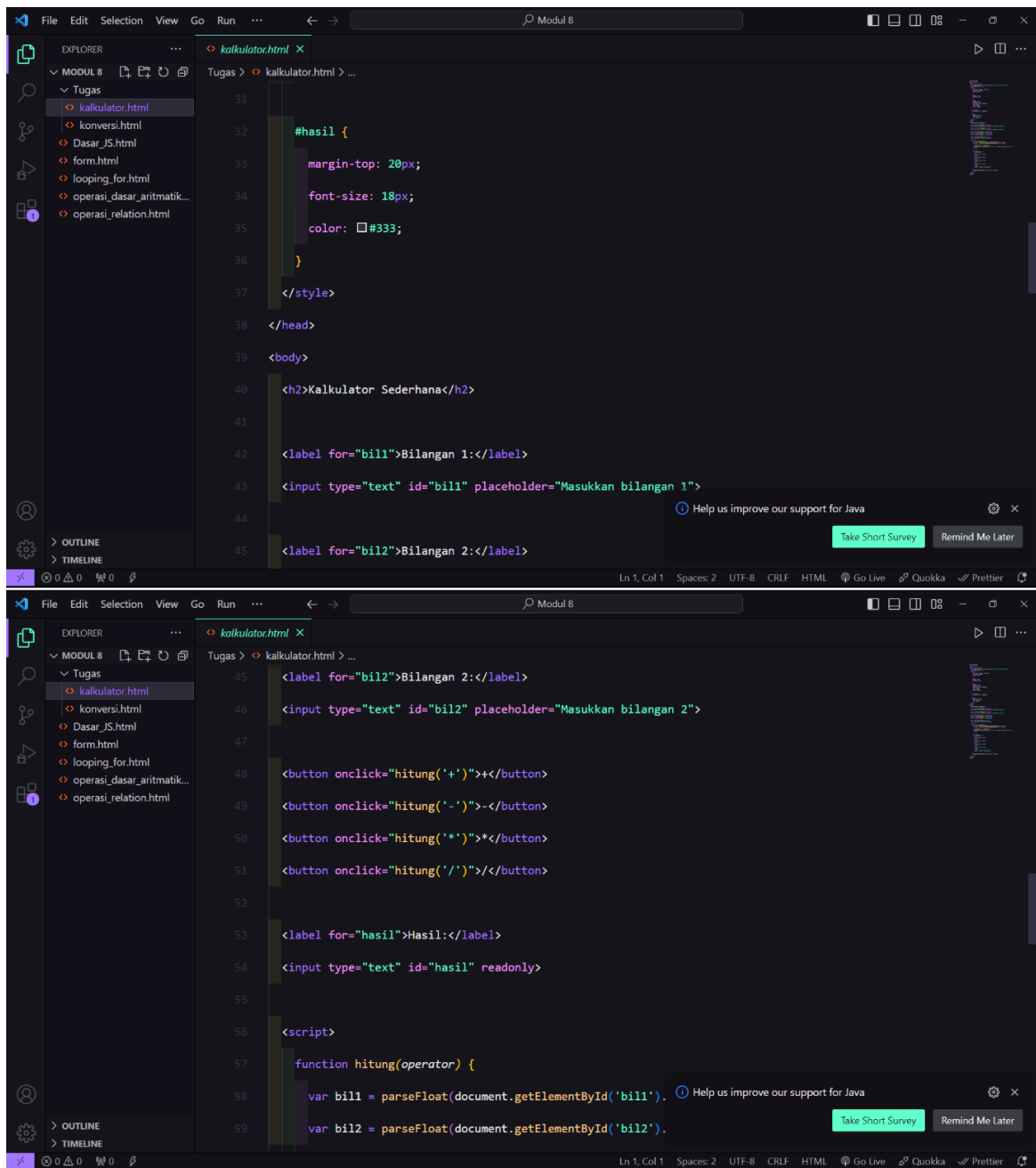
Masukkan nilai angka:

Konversi

Nilai huruf: AB

## Tugas No 2





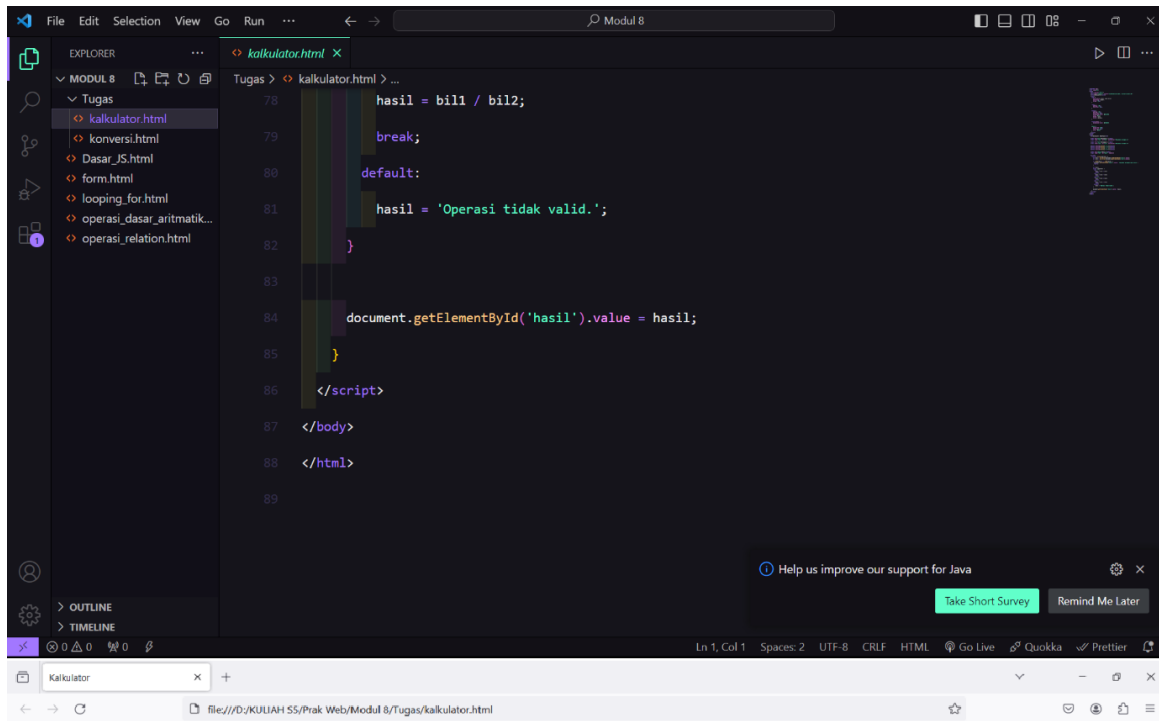


This screenshot shows the first part of a JavaScript script in a VS Code editor. The Explorer sidebar on the left shows a project structure with a 'MODUL 8' folder containing a 'Tugas' subfolder. Inside 'Tugas', there are several HTML files: 'kalkulator.html' (selected), 'konversi.html', 'Dasar\_JS.html', 'form.html', 'looping\_for.html', 'operasi\_dasar\_aritmatik...', and 'operasi\_relation.html'. The main editor area displays the code for 'kalkulator.html', starting with a script tag and a function named 'hitung(operator)'. The function takes an operator as an argument and retrieves values from input fields with IDs 'bil1' and 'bil2'. It then checks if either value is NaN. If so, it sets the output field 'hasil' to 'Masukkan bilangan yang valid.' and returns. The code is as follows:

```
<script>
56
57 function hitung(operator) {
58     var bil1 = parseFloat(document.getElementById('bil1').value);
59     var bil2 = parseFloat(document.getElementById('bil2').value);
60
61     if (isNaN(bil1) || isNaN(bil2)) {
62         document.getElementById('hasil').value = 'Masukkan bilangan yang valid.';
63         return;
64     }
65
66     var hasil;
67     switch (operator) {
68         case '+':
69             hasil = bil1 + bil2;
70             break;
```

This screenshot shows the continuation of the JavaScript script from the previous image. It continues the switch statement for the 'hitung' function, adding cases for subtraction ('-'), multiplication ('\*'), and division ('/'). Each case calculates the result and assigns it to the 'hasil' variable before breaking out of the switch. A default case is also present at the end of the switch block. The code is as follows:

```
71         case '-':
72             hasil = bil1 - bil2;
73             break;
74         case '*':
75             hasil = bil1 * bil2;
76             break;
77         case '/':
78             hasil = bil1 / bil2;
79             break;
80         default:
```



### Kalkulator Sederhana

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