Ketentuan;

Simpanlah file lembar jawaban ini dengan format; **Kelas_Nama Lengkap**

Contoh; **TI 2A_Elok Nur Hamdana**

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Kelas	:	TI 2I

Tulislah Jawaban Pada Kolom Yang tersedia di bawah ini;

LEMBAR JAWABAN JOBSHEET-3

Soal No	Jawaban
1	 **At image above, we run node terminal console and type some command to print message with console.log.**

2	Code:

```
hello_world.html ×

html > hello_world.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>Hello world</title>
7   </head>
8   <body>
9       <script>
10          console.log("Saya belajar javascript");
11          document.write("Hello World");|
12      </script>
13  </body>
14  </html>
```
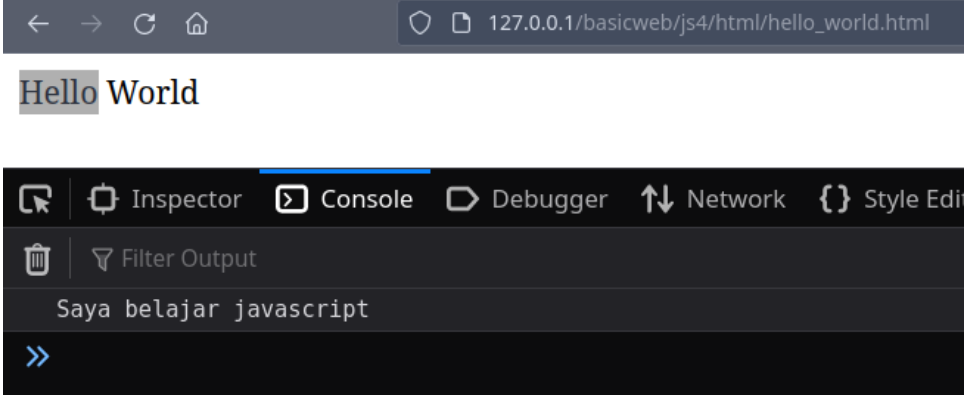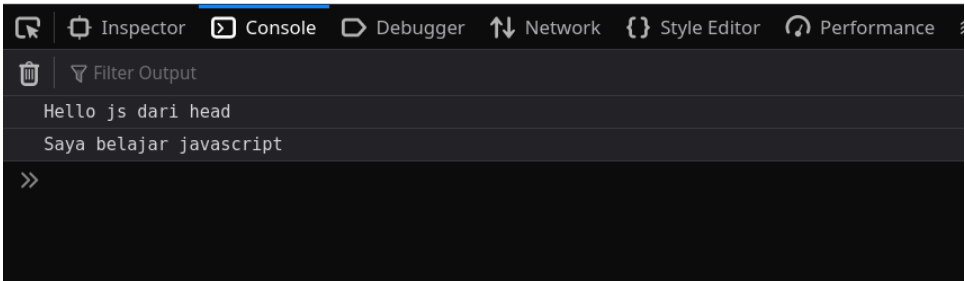
Result:

```
←  →  C  ⌂              ○  🗋  127.0.0.1/basicweb/js4/html/hello_world.html
```

Hello World

Based on code, We write "saya belajar javascript" with console.log() and "hello world" with document.write(). Console.log() is method in javascript that is to print message or information in console terminal. Then document.write() is method in javacript that is to display text in html format.

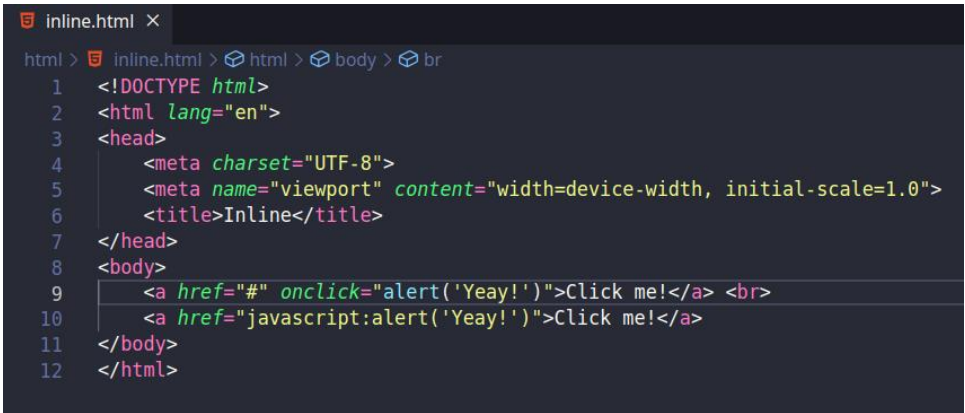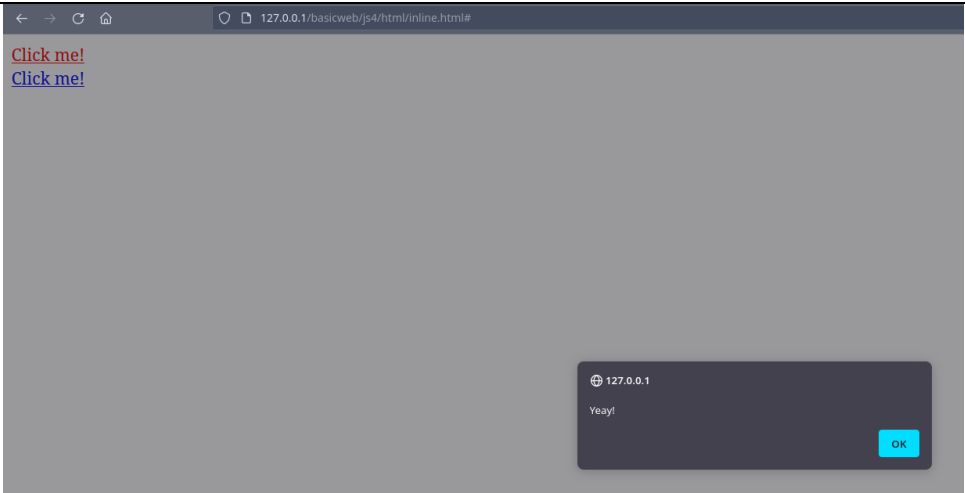| 3	**At the console, there is message "Saya belajar javascript" that we create from console.log() method.**
4	Code: ``` 10 console.log("Saya belajar javascript"); ``` The message doesn't appear because console.log() is method to display message in terminal console, not display in web or html format.

5	Code:
	
	``html
	<!DOCTYPE html>
	<html lang="en">
	<head>
	    <meta charset="UTF-8">
	    <meta name="viewport" content="width=device-width, initial-scale=1.0">
	    <title>Hello world</title>
	    <script>
	        console.log("Hello js dari head");
	    </script>
	</head>
	<body>
	     Tutorial js untuk pemula
	    <script>
	        console.log("Saya belajar javascript");
	        // document.write("Hello World");
	    </script>
	</body>
	</html>
	``
	
	Result:
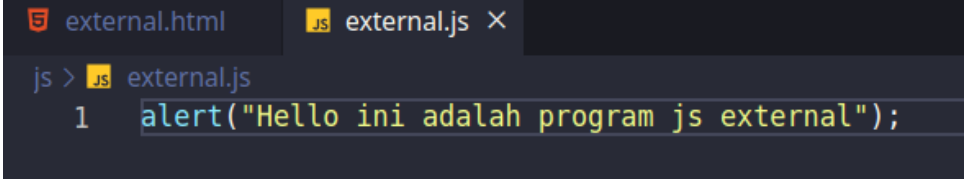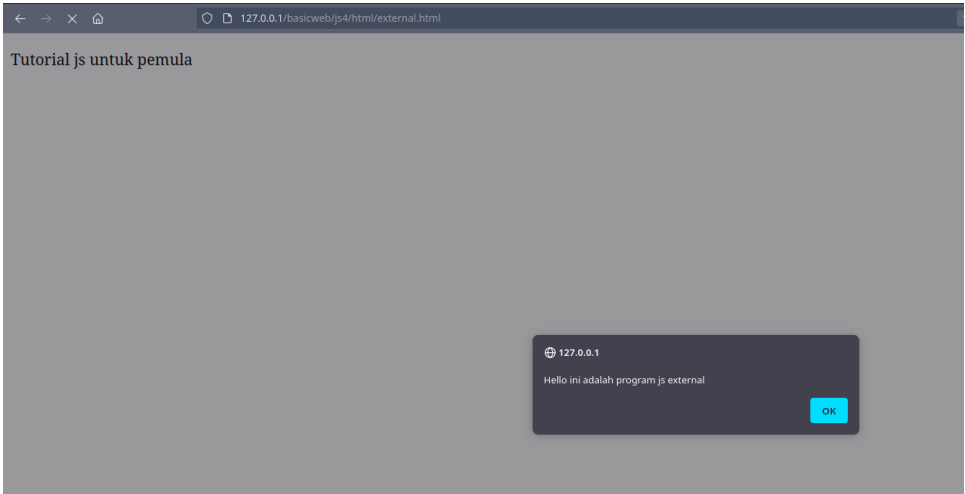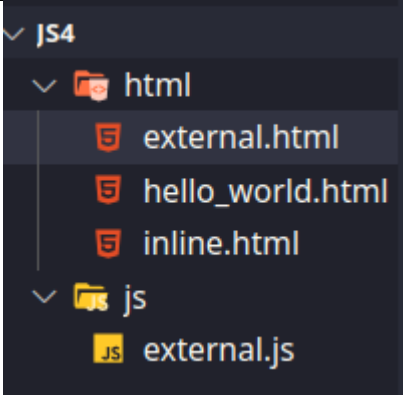
	← → C ⌂ ○ □ 127.0.0.1/basicweb/js4/html/hello_world.html Tutorial js untuk pemula ⬚ ⬡ Inspector ⊡ Console ▭ Debugger ↑↓ Network {} Style Editor ◠ Performance 🗑 ▽ Filter Output Hello js dari head Saya belajar javascript » **Based on code above, we write two messages with console.log() with different tag. The first one is write inside \<head> tag and the second is write inside \<body> tag. We also write another message with \<p> tag.**
6	**In my opinion I prefer to write \<script> tag on below section of the html structure because when we write \<script> tag inside \<head> tag, it'll make webpage render longer. It'll make bad user experience.**
| 7 | Code:<br><br>```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Inline</title>
</head>
<body>
    <a href="#" onclick="alert('Yeay!')">Click me!</a> <br>
    <a href="javascript:alert('Yeay!')">Click me!</a>
</body>
</html>
```<br><br>Result: |

	 Click me! Click me! **Based on code there are two <a> that contain alert function.**
8	**Both codes run the same alert to display yeay message. But that make it different is alert in first code is used onclick, and the second is use href. When we click the first <a>, it'll display alert, but the difference is it'll make addition url that is #.it because in href we set to #. Then the second does not create addition url #, because we fill href with javascript expressions.**
9	Code: ```html\n<!DOCTYPE html>\n<html lang="en">\n<head>\n <meta charset="UTF-8">\n <meta name="viewport" content="width=device-width, initial-scale=1.0">\n <title>Belajar js dari nol</title>\n</head>\n<body>\n Tutorial js untuk pemula \n\n <script src="../js/external.js"></script>\n</body>\n</html>\n```

```
js > JS external.js
 1    alert("Hello ini adalah program js external");
```

Result:

Based on code above, we write html and javascript with different file.

10

The html file will can't read javascript file. In my case I use different directory to separate html, js file. The solution is set href to "../js/file.js". it means we climb up from the html directory, then we choose in js directory, and file.js.

11	Code:

```html
alert-js.html  ×

html > alert-js.html > html
 1  <!DOCTYPE html>
 2  <html lang="en">
 3  <head>
 4      <script text="text/javascript">
            Codeium: Refactor | Explain | Generate Function Comment
 5          function message() {
 6              alert("This alert box was called with the onload event");
 7          }
 8      </script>
 9      <meta charset="UTF-8">
10      <meta name="viewport" content="width=device-width, initial-scale=1.0">
11      <title>alert-js</title>
12  </head>
13  <body onload="message()">
14
15  </body>
16  </html>
```
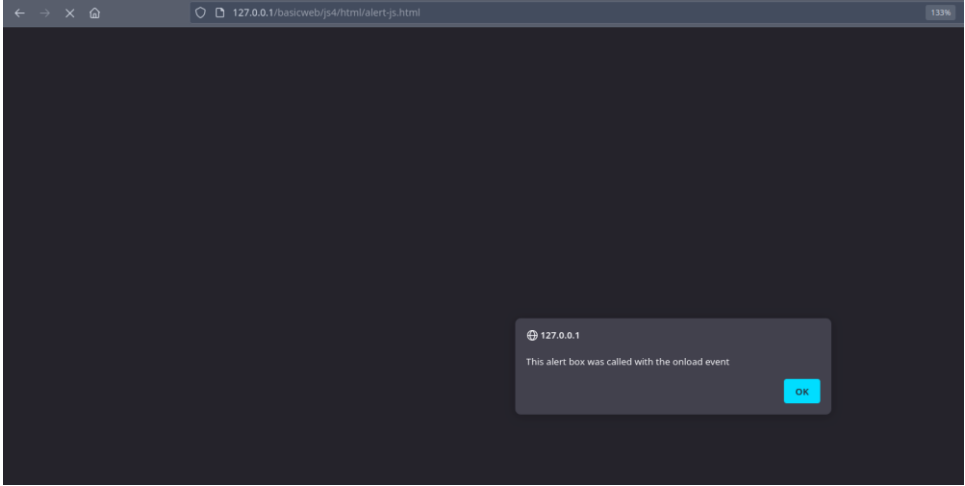
Result:

Based on code above, we create void message function that contain alert. Then we called in <body> tag with onload.

12	Code:

```html
confirm-js.html ×

html > confirm-js.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>Dialog confirm</title>
7  </head>
8  <body>
9      <script>
10         var yakin = confirm("Apakah kamu yakin akan mengunjungi polinema?");
11
12         if (yakin) {
13             window.location = "https://www.polinema.ac.id";
14         } else {
15             document.write("Baiklah, tetap disini saja ya");
16         }
17     </script>
18 </body>
19 </html>
```

Result:
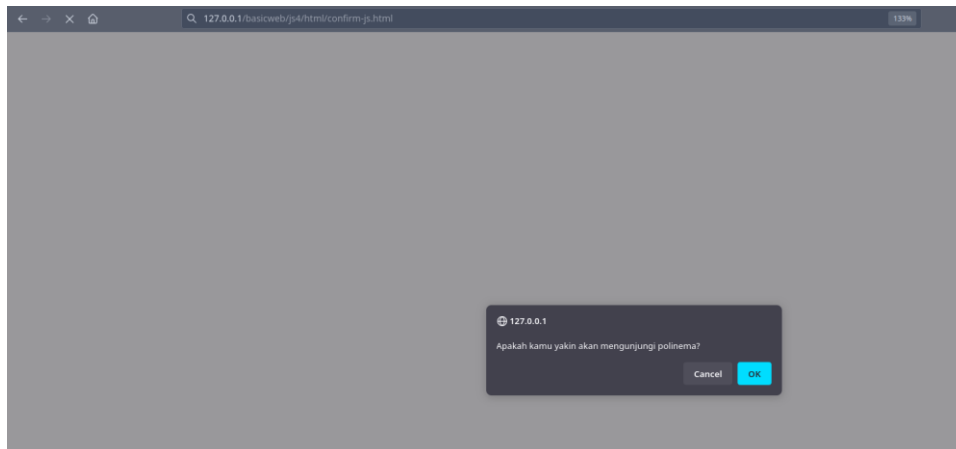
Based on code above, we write html with add yakin variable, then create condition inside <Script> tag.

13	Code:

```
confirm-js.html          dialog-prompt.html ×
html > dialog-prompt.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>dialog prom</title>
7    </head>
8    <body>
9        <script>
10           var name = prompt("Siapa nama kamu?", "");
11           document.write("<p> Hello " + name + "</p>");
12       </script>
13   </body>
14   </html>
```

Result:
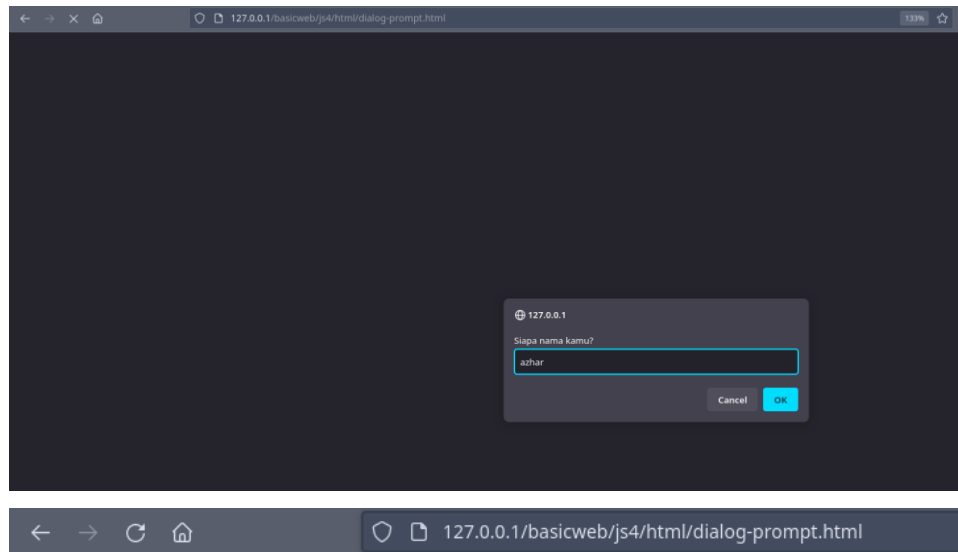
Hello azhar

Based on code above, we write javascript inside <script> tag to create input name form then display it to html.

| 14 | Code: |

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Belajar variable dalam js</title>
    <script>
        // membuat variable
        var name = "javascript";
        var visitCount = 50322;
        var isActive = true;

        // menampilkan variable ke jendela dialog (alert)
        alert("Selamat datang di : " + name);

        // menampilkan variable ke dalam html
        document.write("Nama situs : " + name + "<br>");
        document.write("Jumlah pengunjung : " + visitCount + "<br>");
        document.write("Status aktif : " + isActive + "<br>");
    </script>
</head>
<body>

</body>
</html>
```

Result:

	← → C ⌂ ○ 🗋 127.0.0.1/basicweb/js4/html/variable-js.html Nama situs : javascript Jumlah pengunjung : 50322 Status aktif : true **Based code above, we write javascript is to create variable and display it in html format with document.write() function.**
15	Code: ```html function-js.html × html > 🗋 function-js.html > ⬡ html > ⬡ body > ⬡ a 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 <script> 8 // memuat fungsi Codeium: Refactor	Explain 9 var sayHello = () => alert ("Hello world"); 10 </script> 11 </head> 12 <body> 13 <!-- memanggil fungsi saat di klik --> 14 Click me 15 </body> 16 </html> ``` Result: ← → C ⌂ ○ 🗋 127.0.0.1/basicweb/js4/html/function-js.html Click me
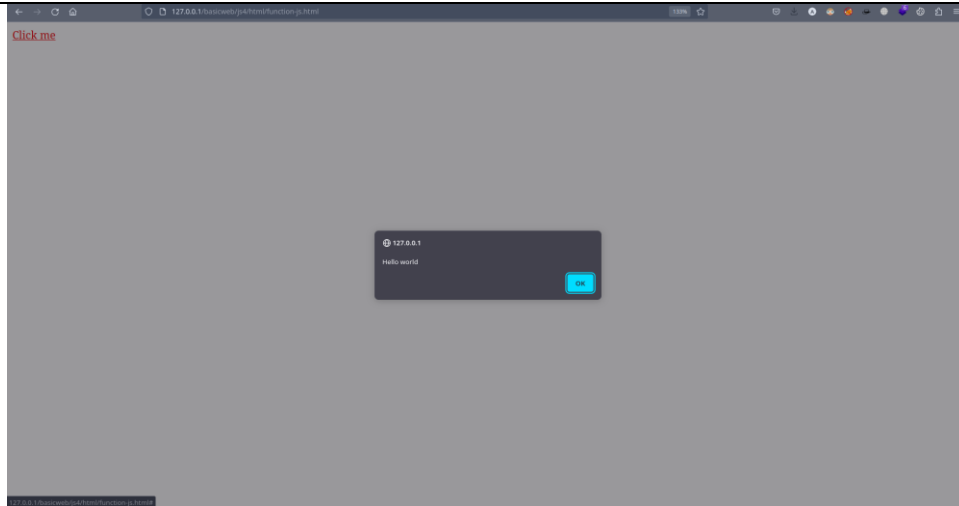
	 Based on code above, we write function in javascript, then call it with onclick at \<a\> tag.
| 16 | Code:<br><br>```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <script>
        Codeium: Refactor | Explain | Generate Function Comment
        function total(numberA, numberB) {
            return numberA + numberB;
        }
    </script>
</head>
<body>
    <script>
        document.write(total(2, 3));
    </script>
</body>
</html>
```<br><br>Result: |

	← → C ⌂ ○ ◻ 127.0.0.1/basicweb/js4/html/function1-js.html 5 **Based on the code above, we create a function with parameter, then display the result in html with fill number on parameter.**

17	Code:
	
	 ![datatype-js.html code]
	
	``html
	<!DOCTYPE html>
	<html lang="en">
	<head>
	    <meta charset="UTF-8">
	    <meta name="viewport" content="width=device-width, initial-scale=1.0">
	    <title>Document</title>
	</head>
	<body>
	    <h2>Js Data Type</h2>
	    <p> Contoh js data type</p>
	    <p id="id"></p>
	
	    <script>
	        var x; // undefined
	        x = 5; // number
	        x = "john"; // string
	
	        document.getElementById("id").innerHTML = x;
	    </script>
	</body>
	</html>
	``
	
	 Result:
	
	 ← → C ⌂ ○ ◻ 127.0.0.1/basicweb/js4/html/datatype-js.html
	
	 Js Data Type
	
	 Contoh js data type
	
	 john

	Based code above, we write javascript is to create variable with name x, then we set variable with 5 value which is number. Then we change it again to john which is string. Then we set id from html to x with document.getElementById() function to display in html.
| 18 | Code: <br><br> ```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2>js string</h2>
    <p>membuat js string</p>
    <p id="demo"></p>

    <script>
        var answer1 = "It's alright";
        var answer2 = "He is called dilan'";
        var answer3 = 'He is called dilan"';

        document.getElementById("demo").innerHTML = answer1 + "<br>" + answer2 + "<br>" + answer3;
    </script>
</body>
</html>
``` <br><br> Result: <br><br> 127.0.0.1/basicweb/js4/html/string-js.html <br><br> **js string** <br><br> membuat js string <br><br> It's alright <br> He is called dilan' <br> He is called dilan" <br><br> **Based on code above, we write js is to create string variable, then display it to html.** |
| 19 | Code: |

```html
datatype-js.html      string-js.html      boolean-js.html ×
html > boolean-js.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        <h2>js boolean</h2>
10       <p>boolean hanya memiliki nilai true dan false</p>
11       <p id="demo"></p>
12
13       <script>
14           var x = 5;
15           var y = 5;
16           var z = 6;
17           document.getElementById("demo").innerHTML = (x == y) + "<br>" + (x == z);
18       </script>
19   </body>
20   </html>
```

Result:

127.0.0.1/basicweb/js4/html/boolean-js.html

js boolean

boolean hanya memiliki nilai true dan false

true
false

Based on code above, we write js with set variable and fill value, then we check condition whether x and y is same, and x and z is same. Output will be true or false.

Code:

```html
array-js.html  ×
html > array-js.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        <h2>array</h2>
10       <p id="demo"></p>
11
12       <script>
13           var cars = ["Volvo", "BMW", "Ford", "Mazda"];
14
15           document.getElementById("demo").innerHTML = cars[0];
16       </script>
17   </body>
18   </html>
```

Result:

127.0.0.1/basicweb/js4/html/array-js.html

array

Volvo

Based code above, we write js with create variable that contains array string, then we call it with the first index.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2>js operator</h2>
    <p>x = 5, y = 2, menghitung z = x + y, dan tampil z:</p>
    <p id="demo"></p>

    <script>
        var x = 5;
        var y = 2;
        var z = x + y;
        document.getElementById("demo").innerHTML = z;
    </script>
</body>
</html>
```

Result:

127.0.0.1/basicweb/js4/html/operator-js.html

js operator

x = 5, y = 2, menghitung z = x + y, dan tampil z:

7

Based code above, we write js is to create variable, then fill the value, then do calculate with x + y, then display it in html.

Code:

```html
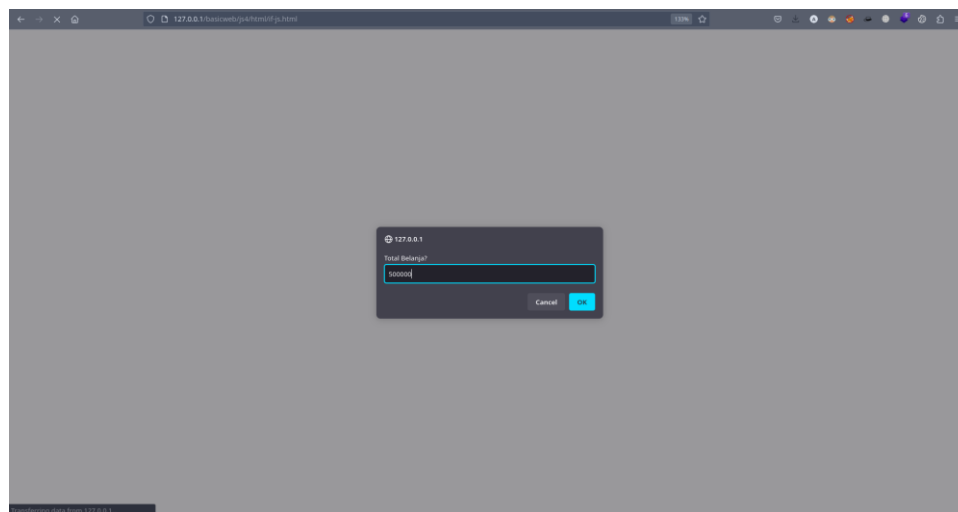array-js.html        operator-js.html        if-js.html  ×

html > if-js.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>
10          var totalBelanja = prompt("Total Belanja?", 0);
11          if (totalBelanja > 300000) {
12              document.write("<h2>Selamat, Anda mendapatkan hadiah</h2>");
13          }
14          document.write("terimakasih sudah berbelanja");
15      </script>
16  </body>
17  </html>
```

Result:

Selamat, Anda mendapatkan hadiah

terimakasih sudah berbelanja

Based code above, we write js with use prompt to make input, then make condition if totalBelanja more than 300000, there will be appear congratulations message.

Code:

```html
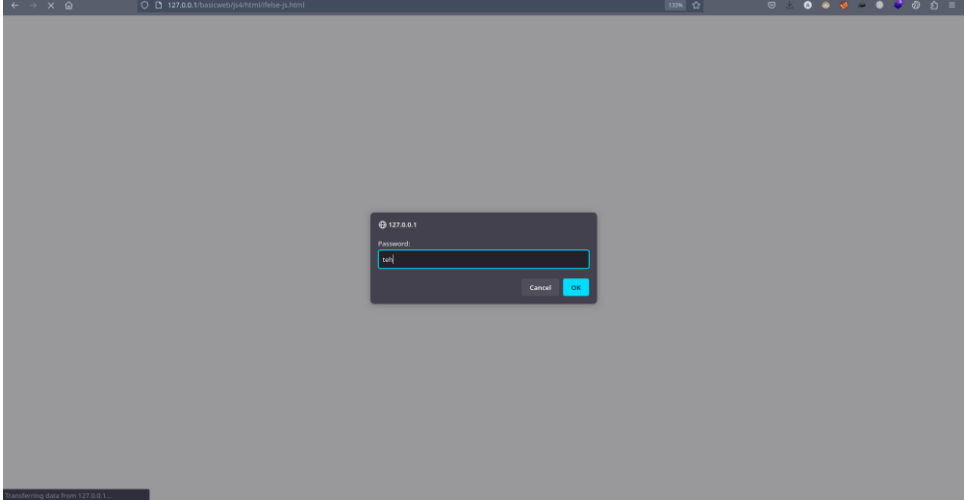<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        var password = prompt("Password: ");

        if (password == "teh") {
            document.write("<h2>selamat datang</h2>");
        } else {
            document.write("<h2>password salah</h2>");
        }
        document.write("terimakasih sudah menggunakan aplikasi ini");
    </script>
</body>
</html>
```

Result:

Based on code above, we write js with prompt to input, then make the condition if the password true, there will be appear welcome message, then if wrong, there will be appear the error message.

Code:

```
array-js.html     operator-js.html     if-js.html     ifelse-js.html     switchcase-js.html ×

html > switchcase-js.html > html > body > script
 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              var jawab = prompt("Kamu beruntung! silahkan pilih hadiahmu dengan memasukkan angka 1 sampai 5");
11              var hadiah = "";
12              switch (jawab) {
13                  case "1":
14                      hadiah = "tisu";
15                      break;
16                  case "2":
17                      hadiah = "kotak kopi";
18                      break;
19                  case "3":
20                      hadiah = "sticker";
21                      break;
22                  case "4":
23                      hadiah = "minyak goreng";
24                      break;
25                  case "5":
26                      hadiah = "uang Rp 50,000";
27                      break;
28
29                  default:
30                      document.write("Oops anda salah pilih");
31              }
32              if (hadiah === "") {
33                  document.write("Kamu gagal dapat hadiah");
34              } else {
35                  document.write("Anda mendapat hadiah " + hadiah);
36              }
37          </script>
38      </body>
39      </html>
```

Result:
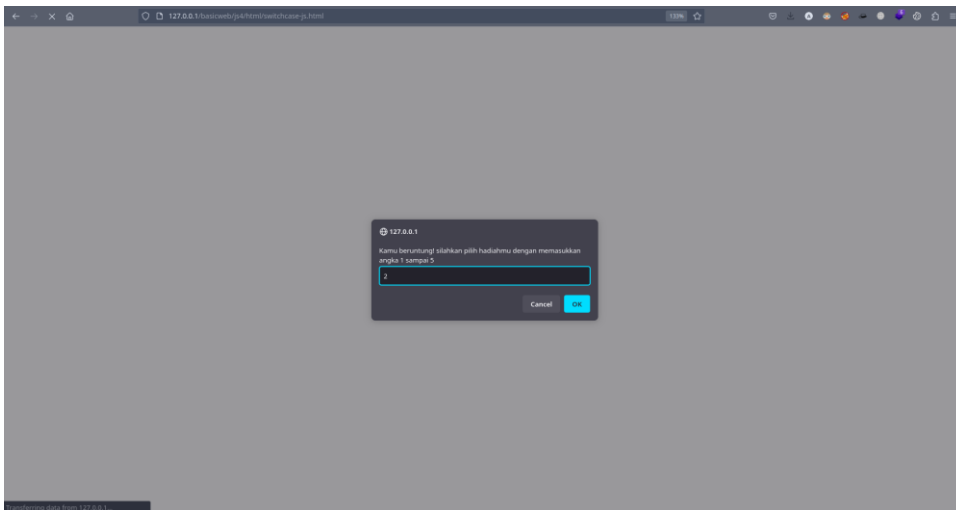
	← → C ⌂ ○ 🗋 127.0.0.1/basicweb/js4/html/switchcase-js.html Anda mendapat hadiah kotak kopi **Based on the code above, we write js file with prompt that we must input 1 to 5. then there is switch case that contains case. Each case contain a different gift. Then display the gift to html**
	Code: array-js.html operator-js.html if-js.html ifelse-js.html switchcase-js.html nestedif-js.html × ```html` html > ⬚ nestedif-js.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>` 10         var username = prompt("username");` 11 var password = prompt("password");` 12` 13 if (username === "mahasiswa") {` 14             if (password === "kopi") {` 15 document.write("Selamat datang");` 16             } else {` 17 document.write("password salah");` 18             }` 19 } else {` 20             document.write("Anda tidak terdaftar");` 21 }` 22      </script>` 23 </body>` 24  </html>` ``` Result:

Selamat datang

Based on code above, we write js is to input username password with prompt, then there is nested if that will check the username and password is true or false. Then it display the message to html.

Code:

```html
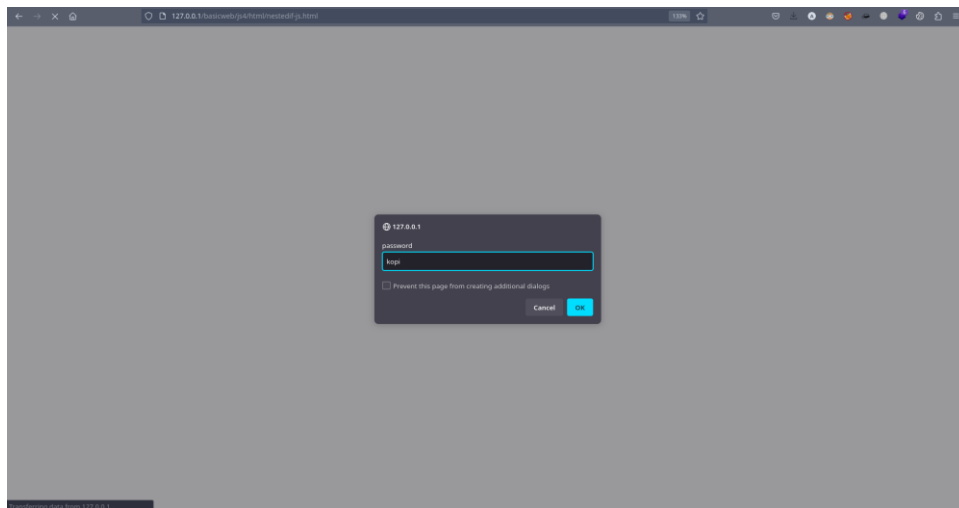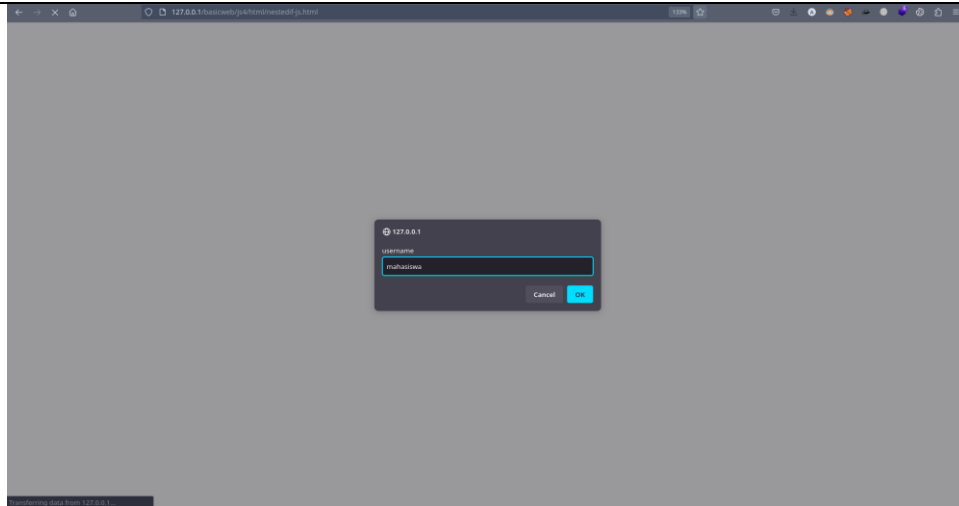for-js.html          while-js.html  ×
html >  while-js.html >  html >  body >  script
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Document</title>
7    </head>
8    <body>
9        <h2>js while</h2>
10       <p id="demo"></p>
11
12       <script>
13           var text = "";
14           var i = 0;
15           while (i < 10) {
16               text += "The number is " + i + "<br>";
17               i++;
18           }
19           document.getElementById("demo").innerHTML = text;
20       </script>
21   </body>
22   </html>
```

Result:

127.0.0.1/basicweb/js4/html/while-js.html

js while

The number is 0
The number is 1
The number is 2
The number is 3
The number is 4
The number is 5
The number is 6
The number is 7
The number is 8
The number is 9

Based on code above, we write looping with while loop then display it to html.

Code:

```html
do-js.html ×
html > do-js.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       <h2>js do while</h2>
10      <p id="demo"></p>
11
12      <script>
13          var text = "";
14          var i = 0;
15          do {
16              text += "The number is " + i + "<br>";
17              i++;
18          } while (i < 10);
19
20          document.getElementById("demo").innerHTML = text;
21      </script>
22  </body>
23  </html>
```

Result:

127.0.0.1/basicweb/js4/html/do-js.html

js do while

The number is 0
The number is 1
The number is 2
The number is 3
The number is 4
The number is 5
The number is 6
The number is 7
The number is 8
The number is 9

	Based on code above, we write js to create loop with do while then display it to html.
	Code: Result:
	Code: Result: