

Nama : miftah achmanda

Nim : 1301204169

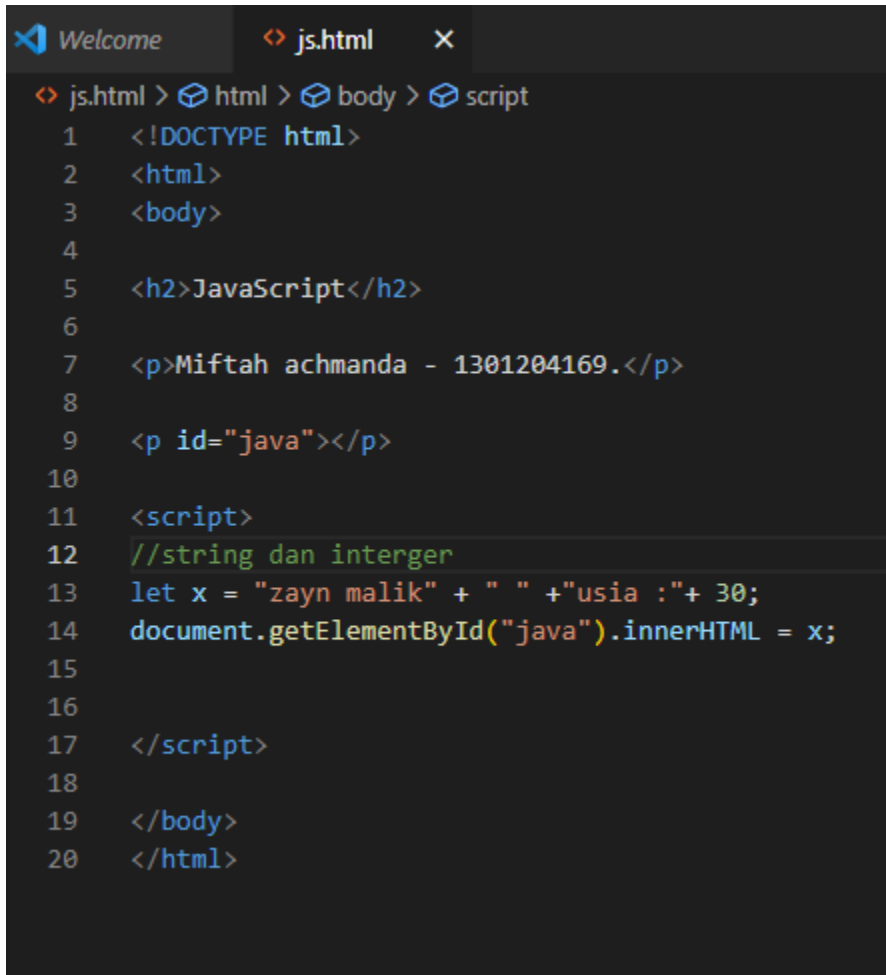
Kelas : IF4402

Modul : 4

Javascript

4.2. Sintaks Umum pada Javascript

4.2.1. Tipe data dasar



```
js.html > html > body > script
1  <!DOCTYPE html>
2  <html>
3  <body>
4
5  <h2>JavaScript</h2>
6
7  <p>Miftah achmanda - 1301204169.</p>
8
9  <p id="java"></p>
10
11 <script>
12 //string dan interger
13 let x = "zayn malik" + " " + "usia :"+ 30;
14 document.getElementById("java").innerHTML = x;
15
16
17 </script>
18
19 </body>
20 </html>
```

JavaScript

Miftah achmanda - 1301204169.

zayn malik usia :30

4.2.2. Variabel

```
Welcome  js.html  X
> js.html > html > body > h1
1  <!DOCTYPE html>
2  <html>
3  <body>
4
5  <h2>JavaScript</h2>
6
7  <p>Miftah achmanda - 1301204169.</p>
8  <h1>Penyanyi Favorite</h1>
9  <p id="java"></p>
10
11 <script>
12 //string dan interger
13
14 var x = "zayn malik" + " " + "usia :"+ 30;
15 document.getElementById("java").innerHTML = x;
16
17
18 </script>
19
20 </body>
21 </html>
```

JavaScript

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Penyanyi Favorite

zayn malik usia :30

4.2.3. Array

```
<h3>Member One Direction</h3>  
<p id="id1"></p>
```

```
//array  
var data = ["zayn", "nial", "louis", "liam"]; data.length //mengembalikan 3  
data.push("harry"); // mengembalikan 4, data menjadi ["a", "b", "c", "d"]  
document.getElementById("id1").innerHTML = data;  
</script>
```

JavaScript

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Penyanyi Favorite

zayn malik usia :30

Singer

One Direction

zayn,nial,louis,liam,harry

4.2.4. Pengendalian Struktur

```
<h3>Album zayn</h3>
<p id="id2"></p>
```

```
var Album;
var num = "1";
if (num === "1") { Album = "Mind of mine";
} else if (num === "2") { Album = "Icarus";
} else if (num === "3") { Album = "nobody listening";
} else { Album = "Tidak Diketahui";
}
document.getElementById("id2").innerHTML = Album;
```

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JavaScript

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Penyanyi Favorite

zayn malik usia :30

Singer

Member One Direction

zayn,nial,louis,liam,harry

Album zayn

Mind of mine

4.3. Object Orientation pada Javascript

4.3.1 Pembuatan Object pada Javascript

```
<h3>BIO zayn</h3>
<p id="id3"></p>
```

```
//objek
var bio = {nama:"Zayn", usia:"30", pekerjaan:"penyanyi"};
document.getElementById("id3").innerHTML = "Artis bernama " + bio.nama+ " "+"dengan usia"+" "
+bio.usia + " "+"merupakan seorang"+ " " +bio.pekerjaan;
</script>
```

BIO zayn

Artis bernama Zayn dengan usia 30 merupakan seorang penyanyi

4.3.2. Akses Nilai Property

```
<h3>BIO zayn</h3>
<p id="id3"></p>
<p id="id4"></p>
</script>
```

```
//objek
var bio = {nama:"Zayn", usia:"30", pekerjaan:"penyanyi"};
document.getElementById("id3").innerHTML = "Artis bernama " + bio.nama+ " "+"dengan usia"+" "
+bio.usia +" "+"merupakan seorang"+ " "+bio.pekerjaan;

//properties
document.getElementById("id4").innerHTML = bio["nama"]+" "+"dengan usia"+" "
+bio["usia"] ;
</script>
```

BIO zayn

Artis bernama Zayn dengan usia 30 merupakan seorang penyanyi

Zayn dengan usia 30

4.3.3. Prototype pada Javascript

```
<h3>Lagu zayn</h3>
<p id="id5"></p>
```

```
//prototype
var lagu = { album: "Zayn", lagu: " Fool for you"};
var Album = Object.create(lagu);
document.getElementById("id5").innerHTML = Album.album +" denagan lagu "+Album.lagu;
</script>
```

Lagu zayn

Zayn denagan lagu Fool for you

4.4. Function pada Javascript

4.4.1 Pembuatan Fungsi pada Javascript

```
<h3>My favorite Lagu zayn</h3>
<p id="id6"></p>
```

```
//pemanggilan fungsi
var myObject = {
  lagu1:"To begin again",
  lagu2: "fool for you",
  toplagu: function() {
    return this.lagu1 + " dan " + this.lagu2;
  }
}
```

4.4.2. Pemanggilan Fungsi

```
5 //pemanggilan fungsi
6 var myObject = {
7   lagu1:"To begin again",
8   lagu2: "fool for you",
9   toplagu: function() {
10     return this.lagu1 + " dan " + this.lagu2;
11   }
12 }
13 document.getElementById("id6").innerHTML = myObject.toplagu();
14
15 </script>
```

My favorite Lagu zayn

To begin again dan fool for you

4.5. DOM Manipulation

```
//dom
const element = document.getElementsByTagName("p");

document.getElementById("id7").innerHTML = 'nama : ' + element[0].innerHTML;

</script>
```

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4.6. jQuery

Menggunakan CDN (Content Delivery Network)

```
<html>
<head> <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script
> <script>
```

4.6.1. Efek hide/show

```
4  <!DOCTYPE html>
5  <html>
6  <head> <script
7    src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script
8  > <script>
9    $(document).ready(function(){
10      $("#hide").click(function(){
11        $("p").hide();
12      });
13      $("#show").click(function(){
14        $("p").show();
15      });
16    });
17  </script>
18  </head>
19  <body>
20    <h3>Subscirbe</h3>
21    <p>Subscirbe for support our zayn.</p>
22    <button id="hide">sign in</button>
23    <button id="show">login</button>
24    </body>
25  </body>
26  </html>
```

nama : FATHMA RACHMADHA 1501201102

Subscirbe

Subscirbe for support our zayn.

4.6.2. Efek animasi

```

<!DOCTYPE html>
<html>
<head> <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
  <script>
    $(document).ready(function(){
      $("button").click(function(){
        $("div").animate({
          height: 'toggle'
        });
      });
    });
  </script>
</head>
<body>
<p>Click the button to new information</p>
<button>search for another songs</button>
<p>kamu dapat melihat apa saja informasi tentang zayn!</p>
<div
  style="background: #6e0000; height:200px; width:300px; position:absolute;"></div>
</body>
</html>
</html>

```

Click the button to new information

search for another songs

kamu dapat melihat apa saja informasi tentang zayn!



4.6.3. DOM Manipulation


```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
</head>
<body>

<h2>Remove DOM</h2>
<p id="id01">Hello zayn!</p>
<p id="id02">Hello by zayn!</p>

<script>
$(document).ready(function() {
  $("#id02").remove();
});
</script>

</body>
</html>
```

Remove DOM

Hello zayn!