

Pemrograman Berbasis Framework

Jobsheet 1



Oleh:

TI – 3F

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PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

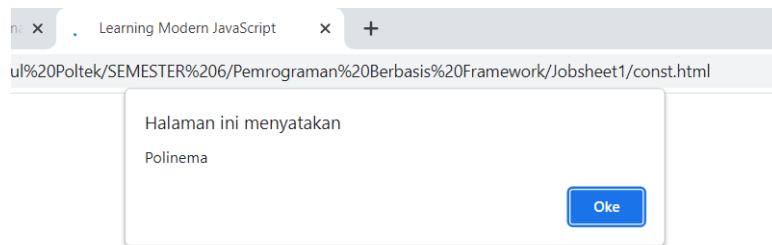
POLITEKNIK NEGERI MALANG

2022

a. Membuat variabel menggunakan const

```
const.html X JS const.js let.html JS let.js
C: > Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pe
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="const.js"></script>
9 </body>
10 </html>
```

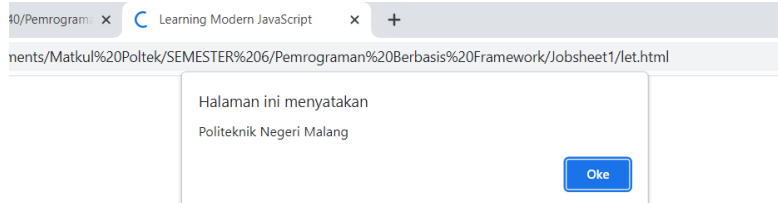
```
const.html JS const.js X
C: > Users > MSI PC > Documents > Matkul P
1 const name = 'Polinema';
2 alert(name);
```



b. Membuat variabel menggunakan let

```
const.html JS const.js let.html X JS let.js
C: > Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemro
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="let.js"></script>
9 </body>
10 </html>
```

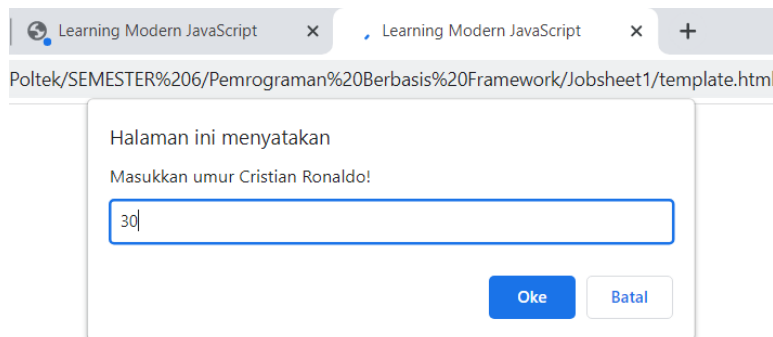
```
const.html JS const.js let.html JS let.js X
C: > Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman
1 if (true) {
2   let name = 'Polinema';
3   name = 'Politeknik Negeri Malang';
4   alert(name);
5 }
```

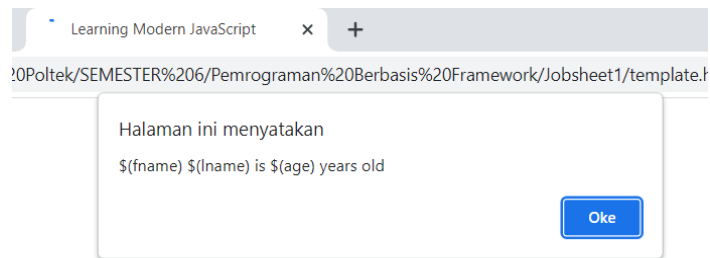


c. Membuat Template Strings

```
const.html JS const.js let.html JS let.js template.html X
C: > Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework >
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="template.js"></script>
9 </body>
10 </html>
```

```
let.js template.html JS template.js X defaultParameter
MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework
1 let fname = 'Cristian';
2 let lname = 'Ronaldo';
3 let age = prompt("Masukkan umur Cristian Ronaldo!");
4
5 let result = `${fname} ${lname} is ${age} years old`;
6 alert(result);
7
```



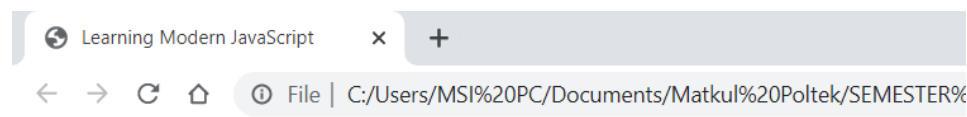


d. Membuat default parameters

```
<?xml version="1.0" encoding="UTF-8" ?>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Learning Modern JavaScript</title>
  </head>
  <body>
    <script src="defaultParameters.js"></script>
  </body>
</html>
```

```
function welcome(user = 'Cantik', message = 'Selamat beraktifitas dan jangan lupa makan yah'){
  alert(`Hai ${user}, ${message}`);
}

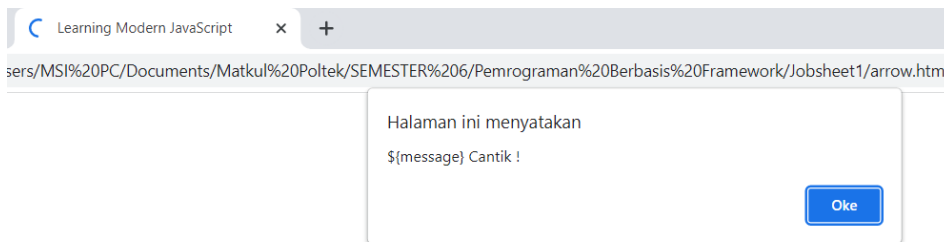
welcome();
```



e. Membuat Arrow Function 1

```
defaultParameters.html JS defaultParameters.js arrow.html X
s > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="arrow.js"></script>
9 </body>
10 </html>
```

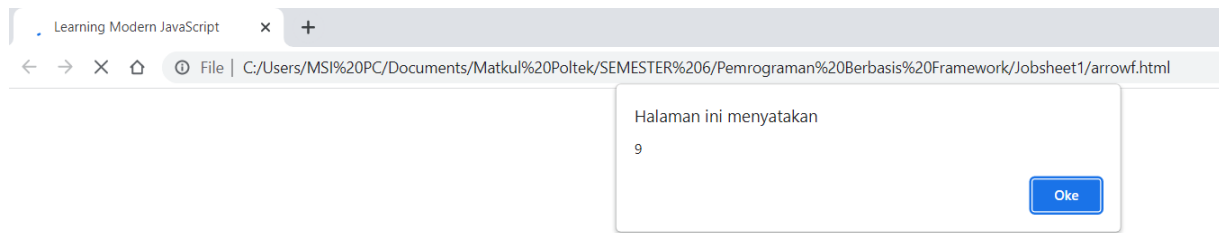
```
ate.js defaultParameters.html JS defaultParameters.js arrow.html JS arrow.js
ers > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > J
1 let gretting = message => alert(`${message} Cantik !`);
2
3 gretting('Selamat Pagi');
```



f. Membuat Arrow Function 2

```
JS defaultParameters.js arrow.html JS arrow.js arrowf.html X
ers > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="arrowf.js"></script>
9 </body>
10 </html>
```

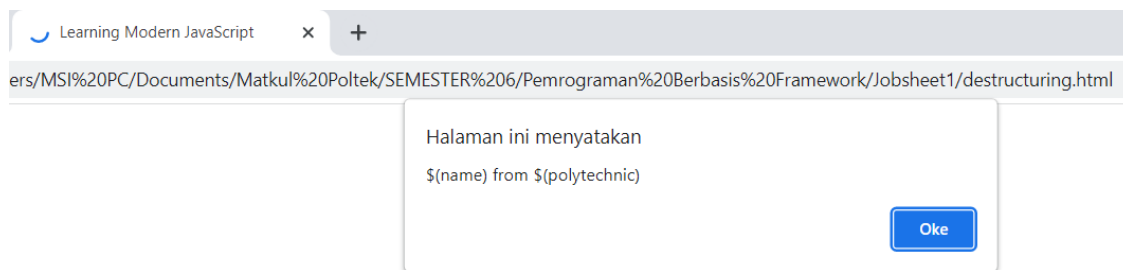
```
JS defaultParameters.js arrow.html JS arrow.js arrowf.html JS arrowf.js X
Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > J
1 const func = (a, b) => {
2   return a + b;
3 };
4 alert(func(5,4));
```



g. Membuat Destructuring Object

```
JS arrow.js  <> arrowf.html  JS arrowf.js  <> destructuring.html  JS de
MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobshe
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <title>Learning Modern JavaScript</title>
6  </head>
7  <body>
8  |   <script src="destructuring.js"></script>
9  </body>
10 </html>
```

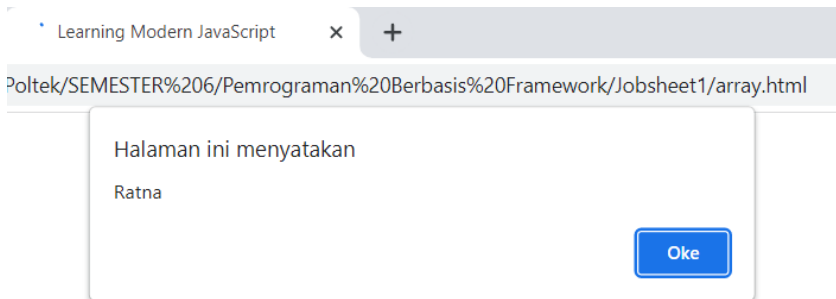
```
JS arrow.js  <> arrowf.html  JS arrowf.js  <> destructuring.html
MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework >
1  let polStudent = ({name, polytechnic}) => {
2  |   alert(`${name} from ${polytechnic}`);
3  | }
4
5  polStudent({
6  |   name: 'Ronaldo',
7  |   polytechnic: 'Politeknik Negeri Malang'
8  | });
```



h. Membuat Destructuring an Array

```
arrowf.html JS arrowf.js destructuring.html array.html X
Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 >
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="array.js"></script>
9 </body>
10 </html>
```

```
arrowf.html JS arrowf.js destructuring.html array.html JS array.js X
> Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 >
1 let [wife] = ['Ratna', 'Bunga', 'Tiara'];
2 alert(wife);
```



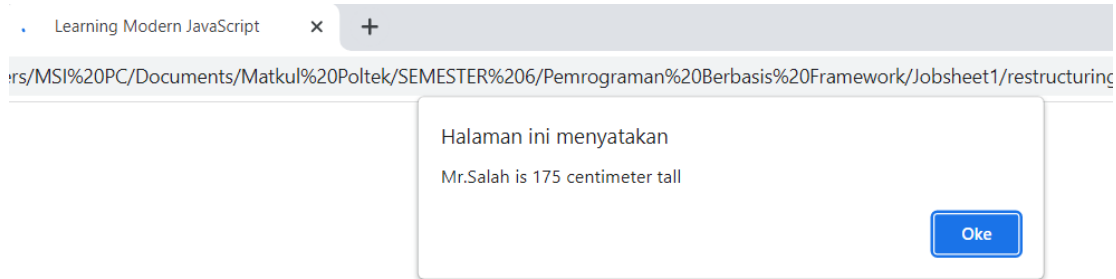
i. Membuat Restructuring

```
ructuring.html X array.html JS array.js restructuring.html X
MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework >
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="restructuring.js"></script>
9 </body>
10 </html>
```

```

> MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > JS re
1  var pemainSepakbola = {
2      name: 'Salah',
3      height: '175',
4      output(){
5          alert(`Mr.${this.name} is ${this.height} centimeter tall`);
6      }
7  };
8  pemainSepakbola.output();|

```



j. Membuat Spread and Rest operator

```

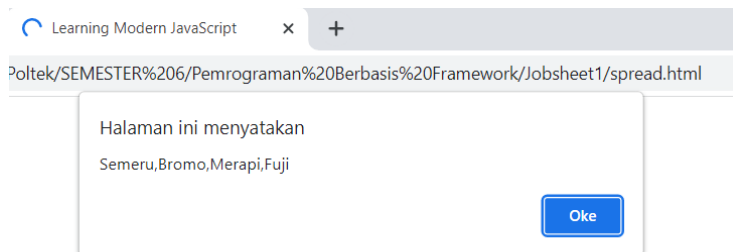
JS array.js    restructuring.html    JS restructuring.js    spread.html X
Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Learning Modern JavaScript</title>
6  </head>
7  <body>
8      <script src="spread.js"></script>
9  </body>
10 </html>|

```

```

JS array.js    restructuring.html    JS restructuring.js    spread.html    JS spread.js X
Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > JS
1  var mountains = ['Semeru', 'Bromo', 'Merapi'];
2  var mountainsFromJapan = ['Fuji'];
3
4  var allMountains = [...mountains, ...mountainsFromJapan];
5  alert(allMountains);|

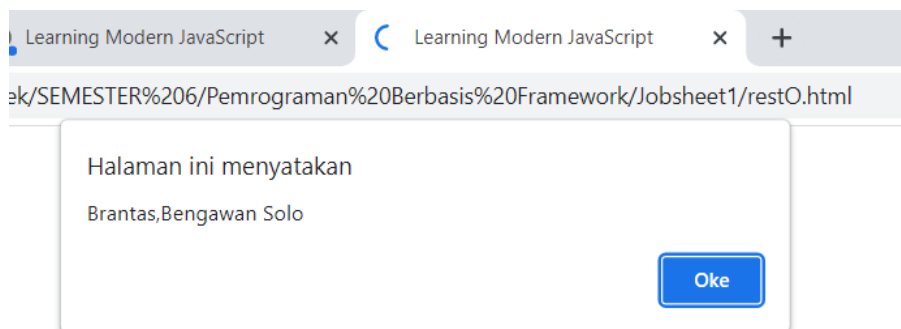
```



restO

```
restO.html | JS restructuring.js | spread.html | JS spread.js | restO.html | X
Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > restO.html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <title>Learning Modern JavaScript</title>
6  </head>
7  <body>
8  |   <script src="restO.js"></script>
9  </body>
10 </html>
```

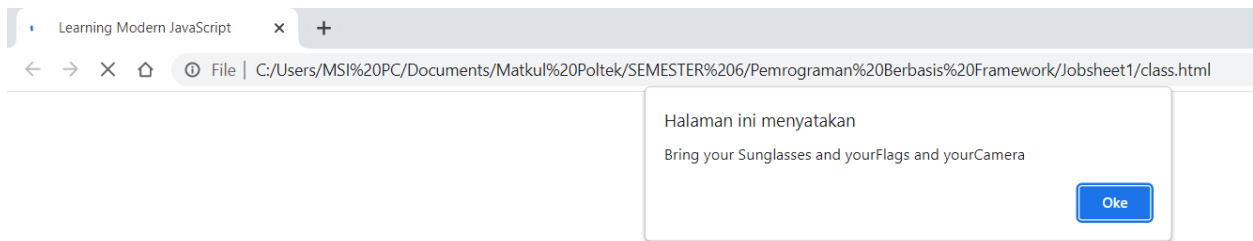
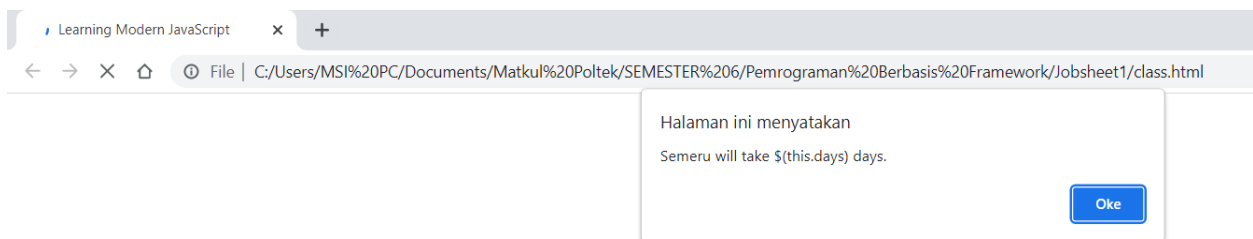
```
restO.html | JS restructuring.js | spread.html | JS spread.js | restO.html | JS restO.js | X
Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > restO.html
1  var rivers = ['Ciliwung', 'Brantas', 'Bengawan Solo'];
2  var [first, ...rest] = rivers;
3
4  alert(rest);
```



k. Membuat Classes Constructor and Super

```
class.html JS spread.js restO.html JS restO.js class.html X
sers > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Learning Modern JavaScript</title>
6 </head>
7 <body>
8   <script src="class.js"></script>
9 </body>
10 </html>
```

```
array.html JS array.js restructuring.html JS restructuring.js spread.html JS spread.js
C: > Users > MSI PC > Documents > Matkul Poltek > SEMESTER 6 > Pemrograman Berbasis Framework > Jobsheet1 > JS class.js
1 //superclass
2 class Holiday {
3   constructor(destination, days){
4     this.destination = destination;
5     this.days = days;
6   }
7
8   info(){
9     alert(`${this.destination} will take ${this.days} days.`);
10  }
11 }
12
13 //subclass
14 class Expedition extends Holiday {
15   constructor(destination, days, gear){
16     super(destination, days);
17     this.gear = gear;
18   }
19
20   info(){
21     super.info();
22     alert(`Bring your ${this.gear.join(' and your')}`);
23   }
24 }
25
26 const tripWithGear = new Expedition('Semeru', 10, ['Sunglasses', 'Flags', 'Camera']);
27 tripWithGear.info();
```



Link Repo: <https://github.com/sholikin1941720140/Pemrograman-Berbasis-Framework>