

**LAPORAN HASIL Pengerjaan
Jobsheet 1 Pemrograman Berbasis Framework**

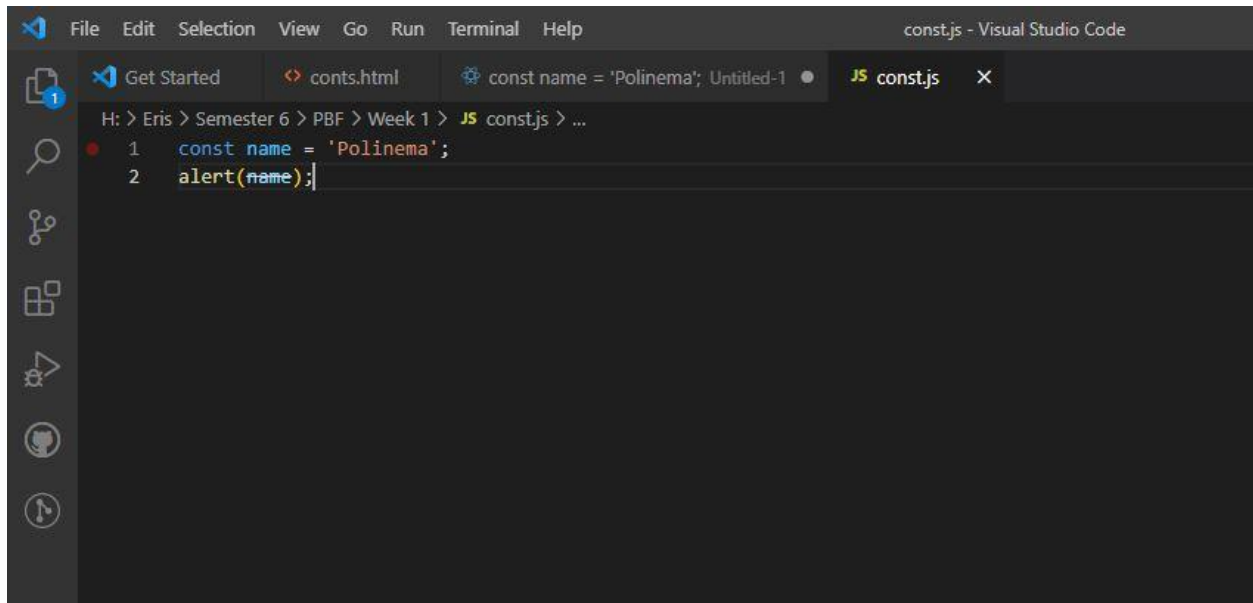


Oleh :

**Dwityantherrys Bakti Utomo
1941720033**

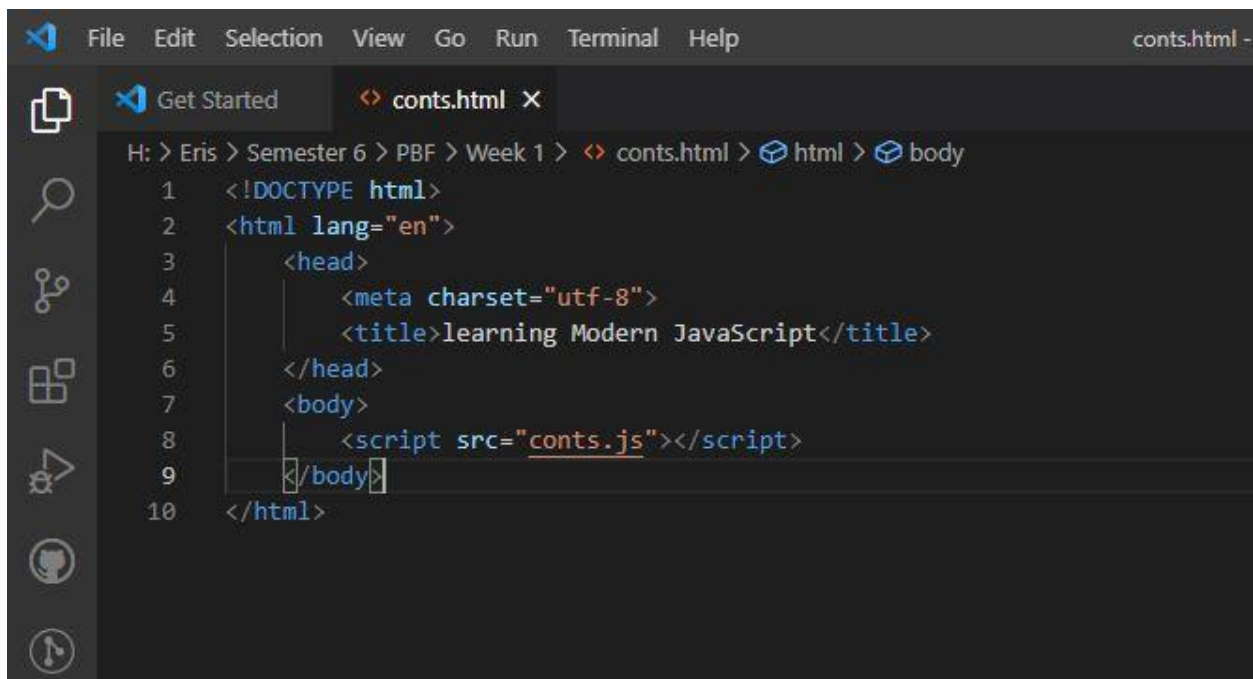
**MATA KULIAH BUSINESS INTELLIGENCE
PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2021/2022**

A. Const



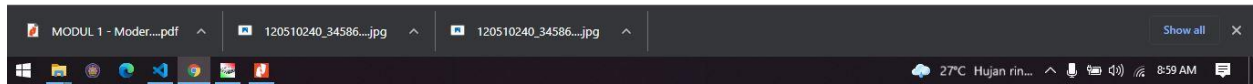
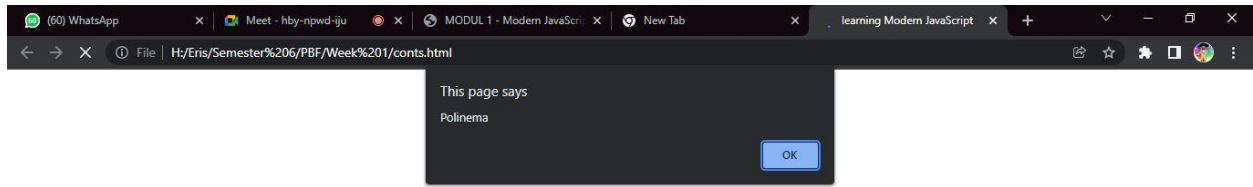
```
File Edit Selection View Go Run Terminal Help
const.js - Visual Studio Code
Get Started conts.html const name = 'Polinema'; Untitled-1 JS const.js X
H: > Eris > Semester 6 > PBF > Week 1 > JS const.js > ...
1 const name = 'Polinema';
2 alert(name);
```

Gambar 1 SC const.js



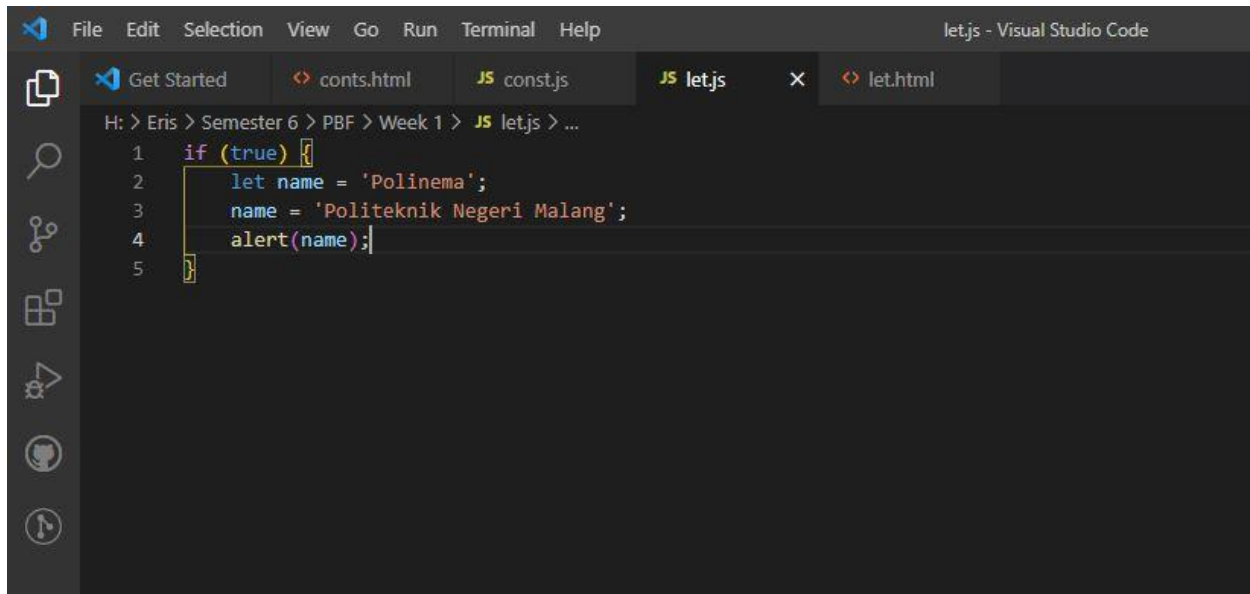
```
File Edit Selection View Go Run Terminal Help
conts.html -
Get Started conts.html X
H: > Eris > Semester 6 > PBF > Week 1 > <conts.html> > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <title>learning Modern JavaScript</title>
6   </head>
7   <body>
8     <script src="const.js"></script>
9   </body>
10 </html>
```

Gambar 2 SC const.html



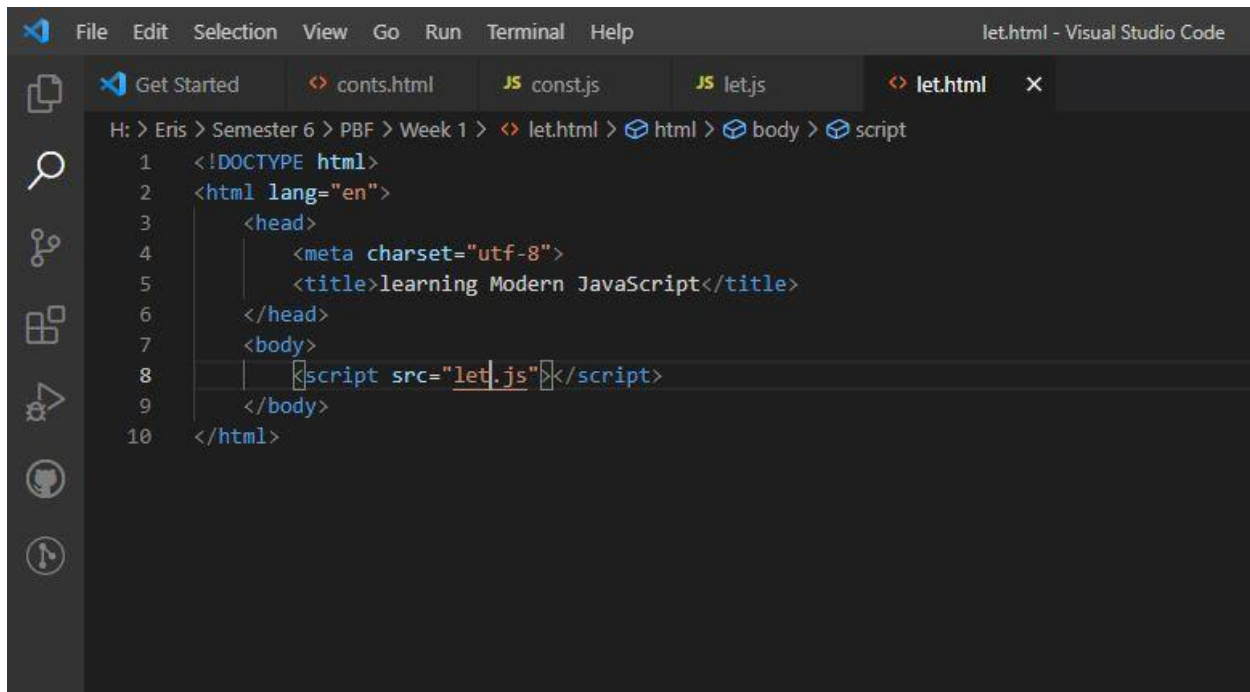
Gambar 3 Hasil

B. Let



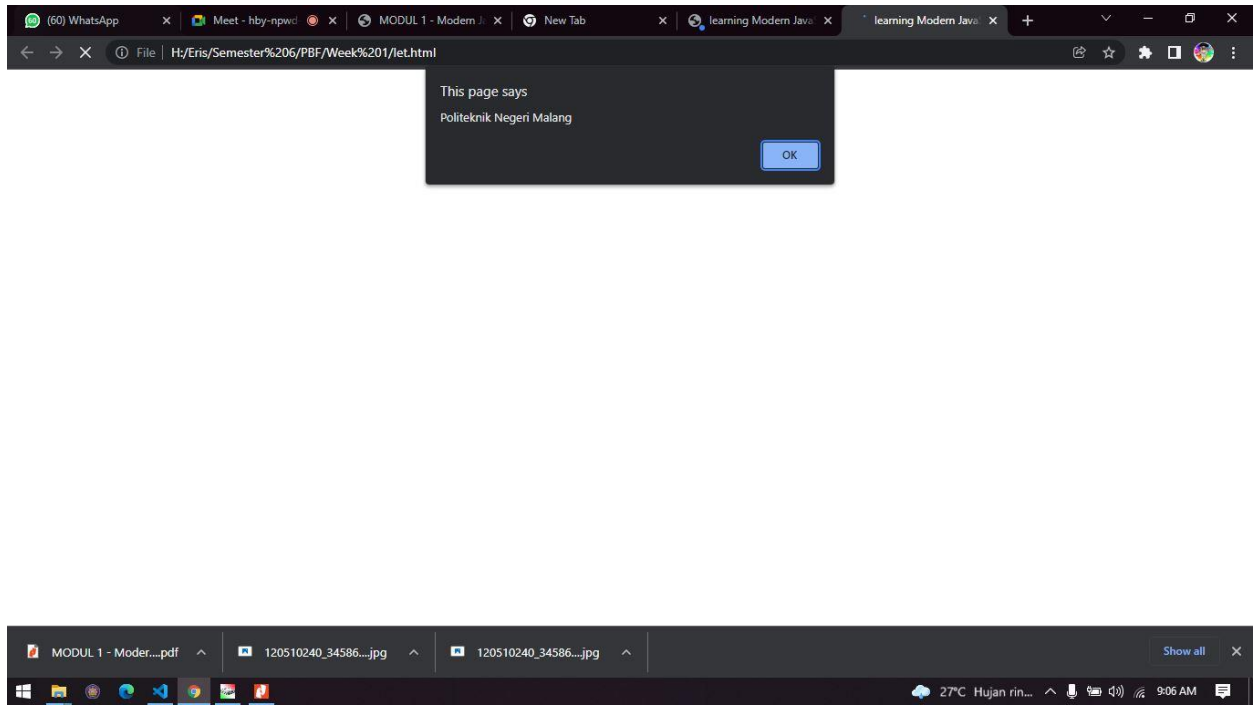
```
H: > Eris > Semester 6 > PBF > Week 1 > JS let.js > ...
1  if (true) {
2      let name = 'Polinema';
3      name = 'Politeknik Negeri Malang';
4      alert(name);
5  }
```

Gambar 4 SC let.js



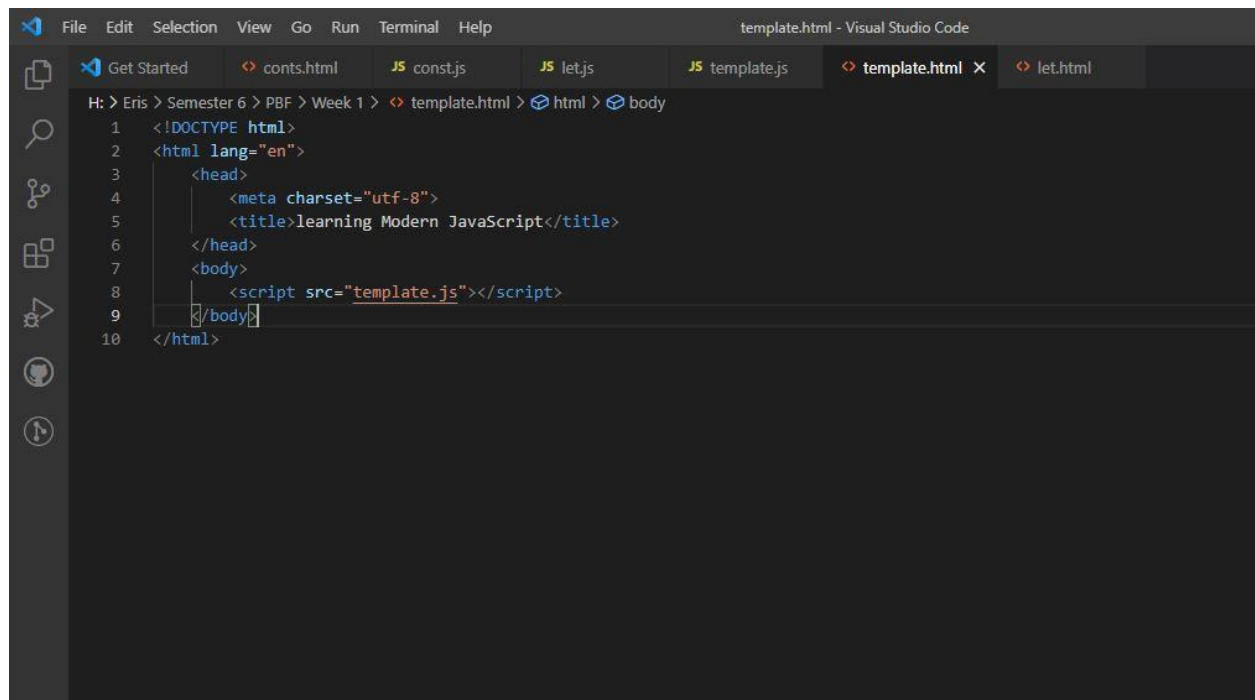
```
H: > Eris > Semester 6 > PBF > Week 1 > let.html > html > body > script
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8">
5      <title>learning Modern JavaScript</title>
6    </head>
7    <body>
8      <script src="let.js"></script>
9    </body>
10 </html>
```

Gambar 5 SC let.html



Gambar 6 Hasil

C. String

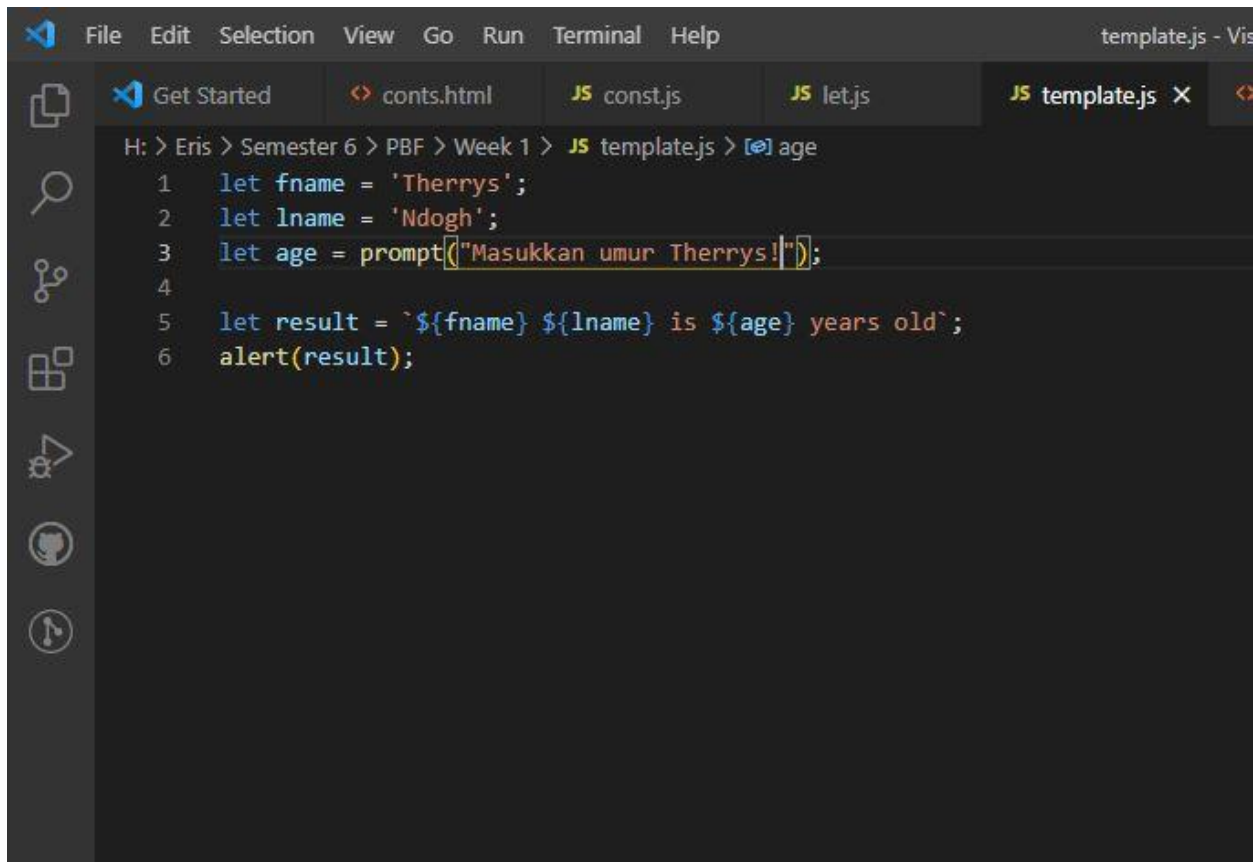


```
File Edit Selection View Go Run Terminal Help
template.html - Visual Studio Code

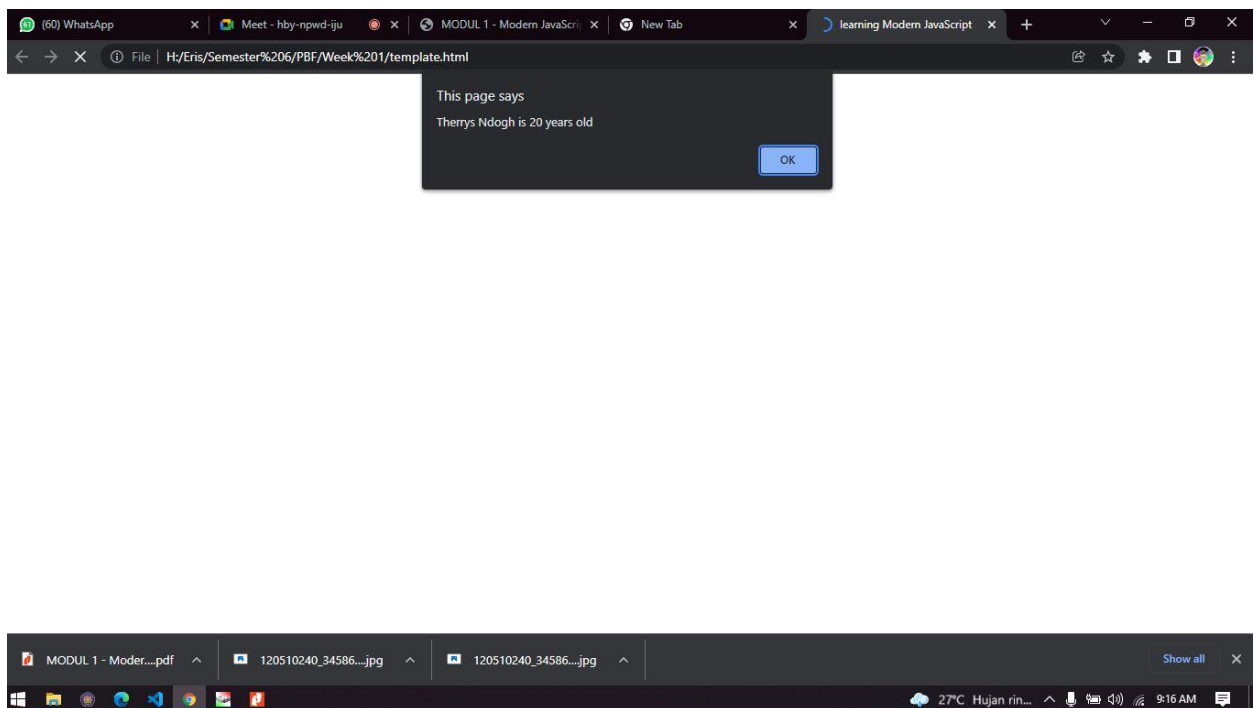
Get Started < > conts.html JS const.js JS let.js JS template.js < > template.html x < > let.html

H: > Eris > Semester 6 > PBF > Week 1 > < > template.html > html > body
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>
```

Gambar 7 SC template.html



Gambar 8 SC template.js



Gambar 9 Hasil

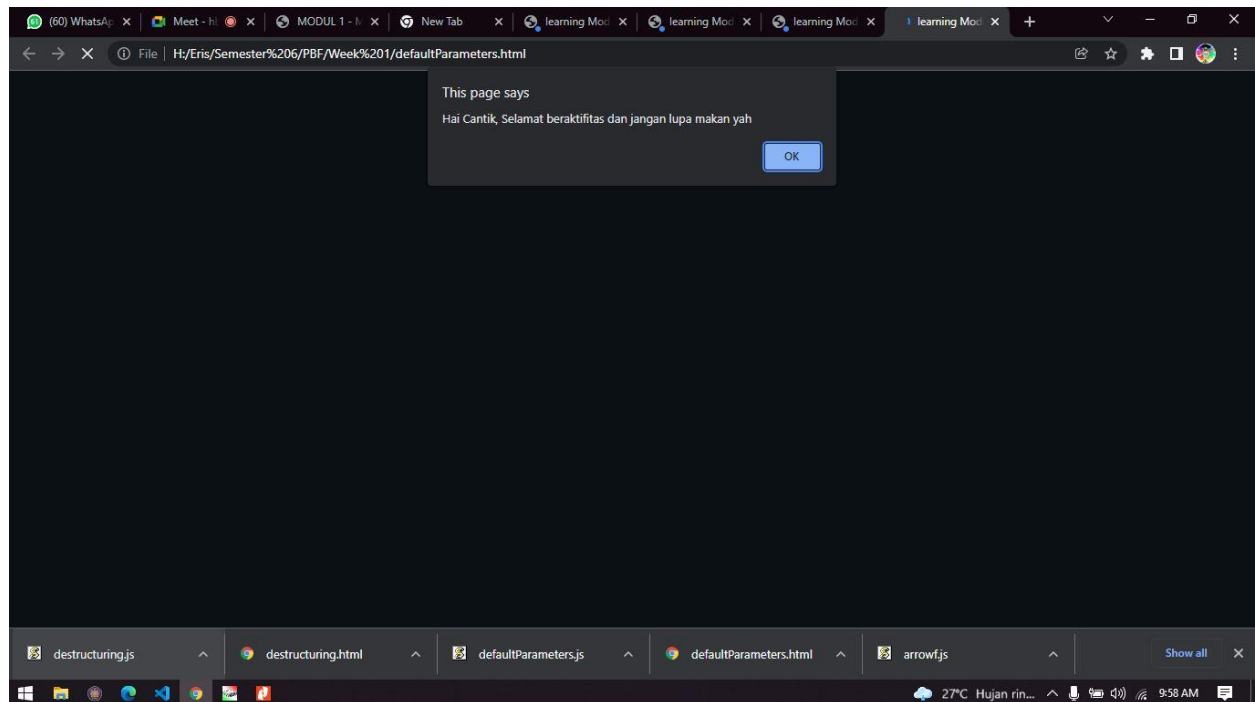
D. Default Parameters

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4  |   <head>
5  |     <meta charset="utf-8">
6  |
7  |     <title>learning Modern JavaScript</title>
8  |
9  |   </head>
10 |   <body>
11 |     <script src="defaultParameters.js"></script>
12 |   </body>
13 </html>
```

Gambar 10 SC defaultParameters.html

```
1  function welcome(user = 'Cantik', message = 'Selamat beraktifitas dan jangan lupa makan yah'){
2  |    alert(`Hai ${user}, ${message}`);
3  |  }
4
5  welcome();
```

Gambar 11 SC defaultParameters.js



Gambar 12 Hasil

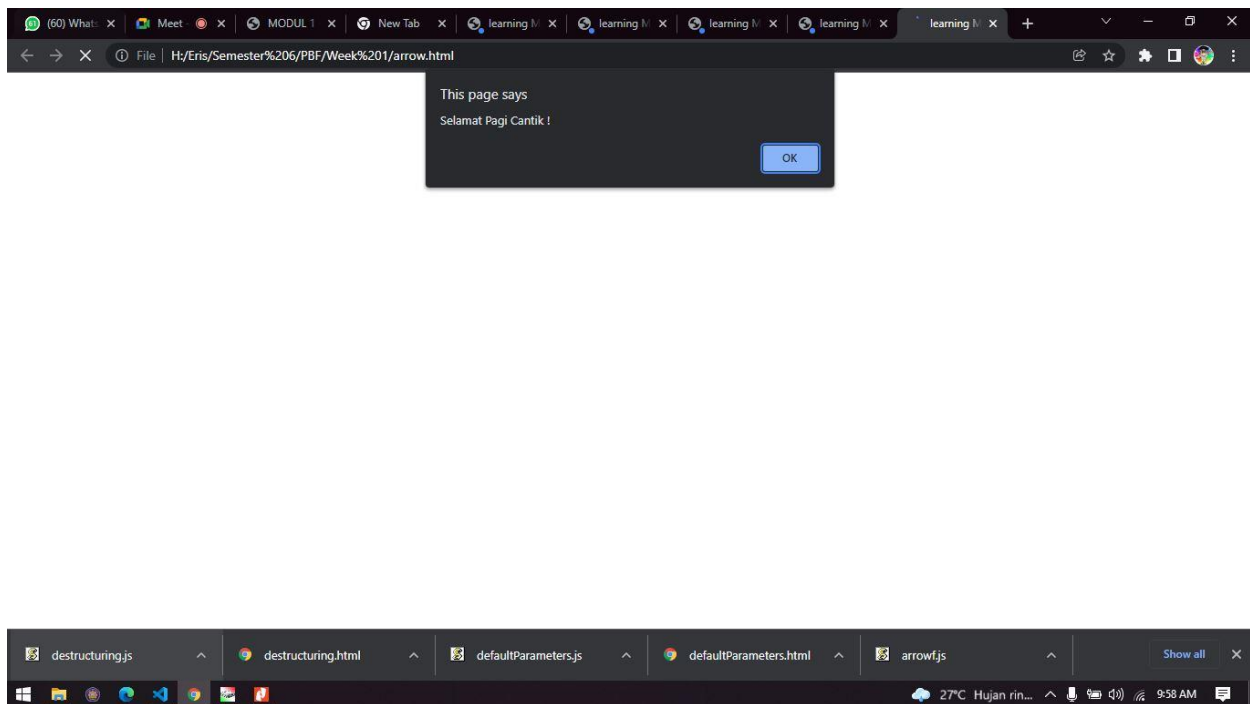
E. Arrow Function 1

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <meta charset="utf-8">
6
7      <title>learning Modern JavaScript</title>
8
9    </head>
10   <body>
11     <script src="arrow.js"></script>
12   </body>
13 </html>
```

Gambar 13 SC arrow.html

```
1  let gretting = message => alert(`${message} Cantik !`);
2
3  gretting('Selamat Pagi');
```

Gambar 14 SC arrow.js



Gambar 15 Hasil

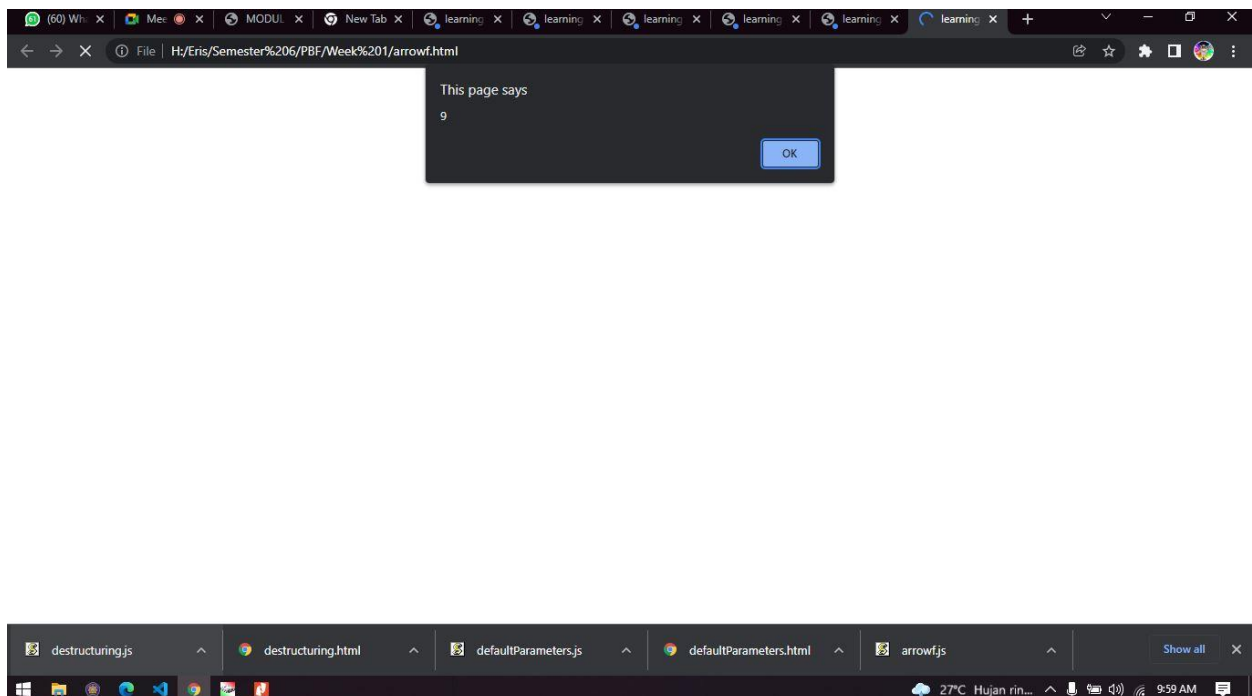
F. Arrow Function 2

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <meta charset="utf-8">
6
7      <title>learning Modern JavaScript</title>
8
9    </head>
10   <body>
11     <script src="arrowf.js"></script>
12   </body>
13 </html>
```

Gambar 16 SC arrowf.html

```
1  const func = (a, b) => {
2    return a + b;
3  };
4  alert(func(5,4));
```

Gambar 17 SC arrowf.js



Gambar 18 Hasil

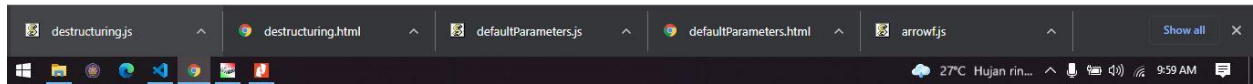
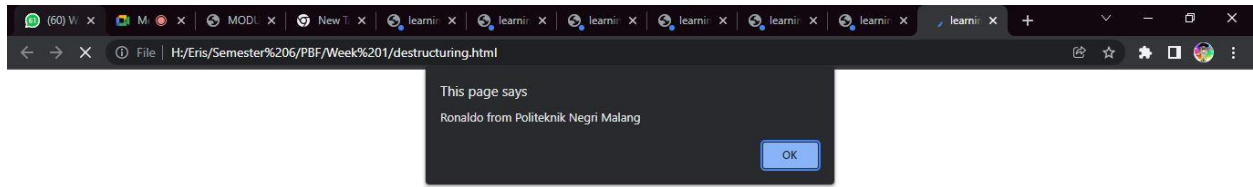
G. Destructuring Object

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <meta charset="utf-8">
6
7      <title>learning Modern JavaScript</title>
8
9    </head>
10   <body>
11     <script src="destructuring.js"></script>
12   </body>
```

Gambar 19 SC destructuring.html

```
1  let polStudent = ({name, polytechnic}) => {
2    alert(`${name} from ${polytechnic}`);
3  };
4
5  polStudent({
6    name: 'Ronaldo',
7    polytechnic: 'Politeknik Negri Malang'
8  });
```

Gambar 20 SC destructuring.js



Gambar 21 Hasil

H. Array

```
1 let [wife] = ['Ratna', 'Bunga', 'Tiara'];  
2 alert(wife);
```

Gambar 22 SC array.js

```
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>
```

Gambar 23 SC array.html

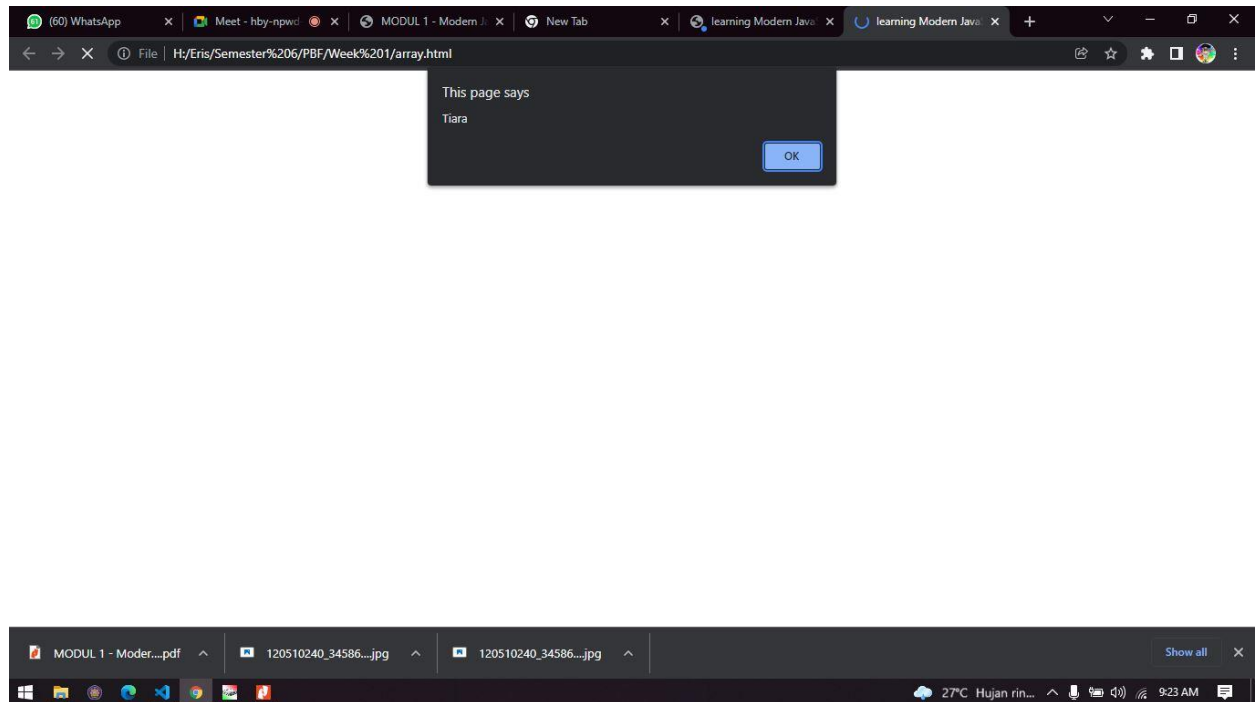
This page says
Ratna

OK

Gambar 24 Hasil 1

```
1 let [, , wife] = ['Ratna', 'Bunga', 'Tiara'];  
2 alert(wife);
```

Gambar 25 SC array.js



Gambar 26 Hasil 2

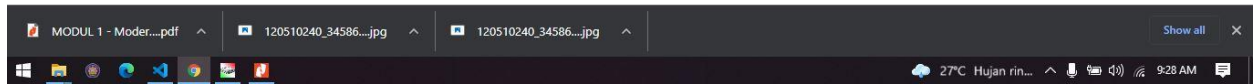
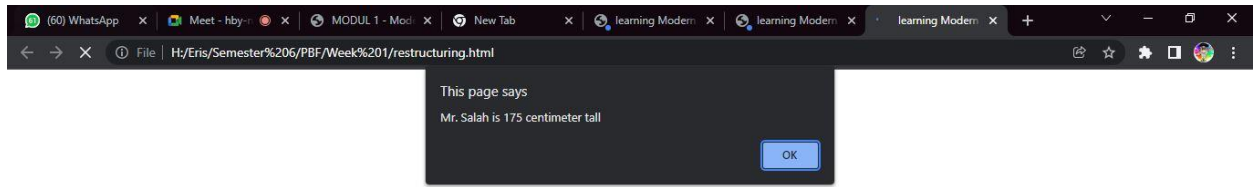
I. Restructuring

```
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>
```

Gambar 27 SC restructuring.html

```
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();
```

Gambar 28 SC restructuring.js



Gambar 29 Hasil

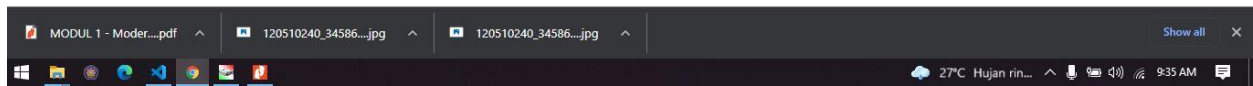
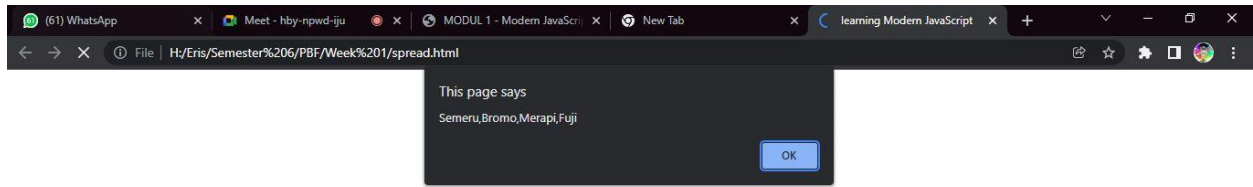
J. Spread

```
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>
```

Gambar 30 SC spread.html

```
1 var mountains = ['Semeru', 'Bromo', 'Merapi'];
2 var mountainsFromJapan = ['Fuji'];
3
4 var allMountains = [...mountains, ...mountainsFromJapan];
5 alert(allMountains);
```

Gambar 31 SC spread.js



Gambar 32 Hasil

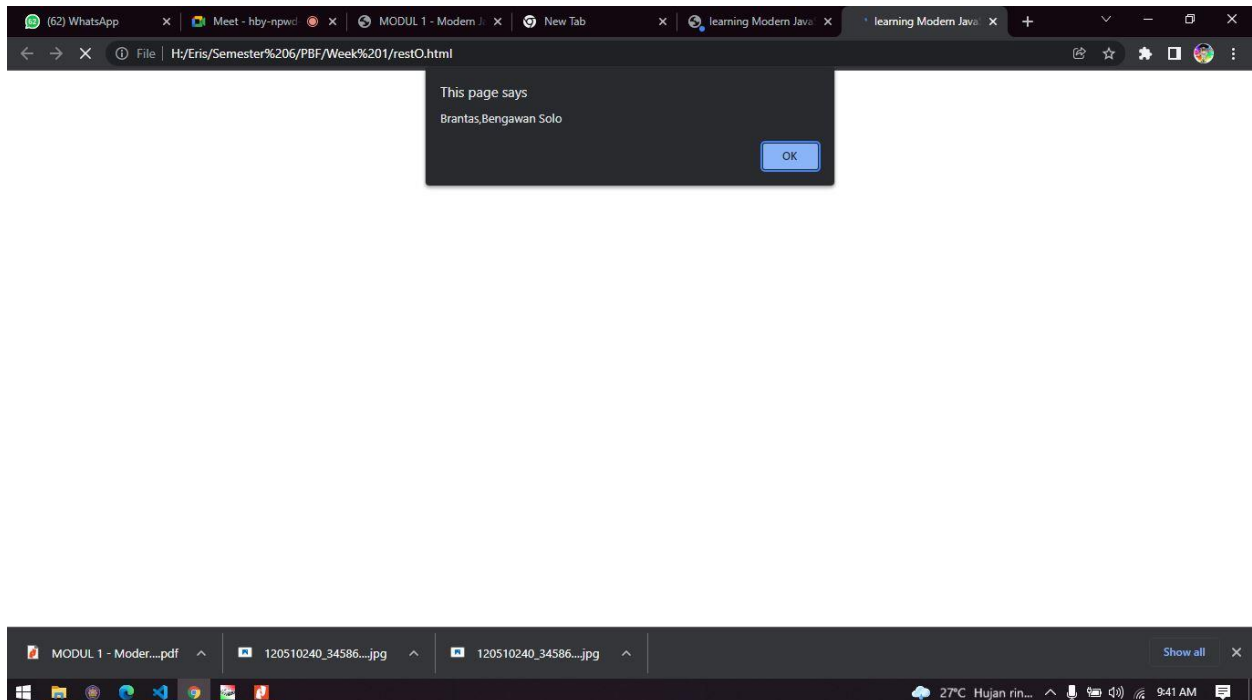
K. Rest Operator

```
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>
```

Gambar 33 SC restO.html

```
1 var rivers = ['Ciliwung', 'Brantas', 'Bengawan Solo'];
2 var [first, ...rest]=rivers;
3
4 alert(rest);
```

Gambar 34 SC restO.js



Gambar 35 Hasil

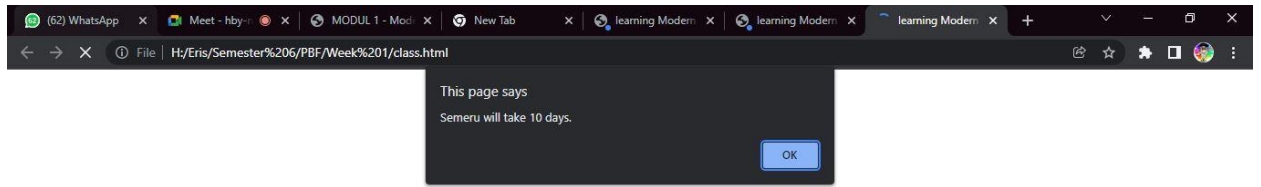
L. Class Constructor And Super

```
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>
```

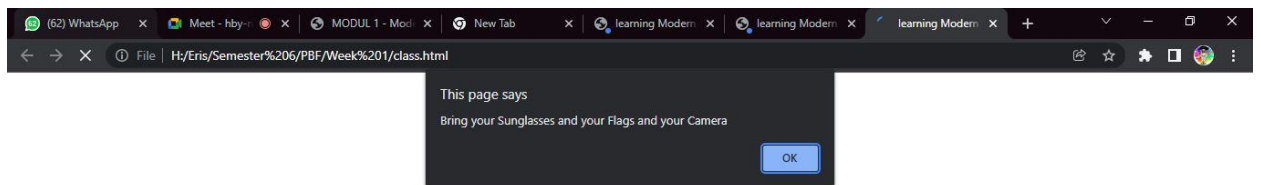
Gambar 36 SC class.html

```
1  class Holiday {
2  |   constructor(destination,days){
3  |     this.destination = destination;
4  |     this.days = days;
5  |   }
6  |
7  |   info(){
8  |     alert(`${this.destination} will take ${this.days} days.`);
9  |   }
10 }
11
12 //sub Class
13
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();
```

Gambar 37 SC class.js



Gambar 38 Hasil 1



Gambar 39 Hasil 2