

Nama : Zahra Khalila Salsabila

NIM : K3521069

## Lab Work 7 Desain Web

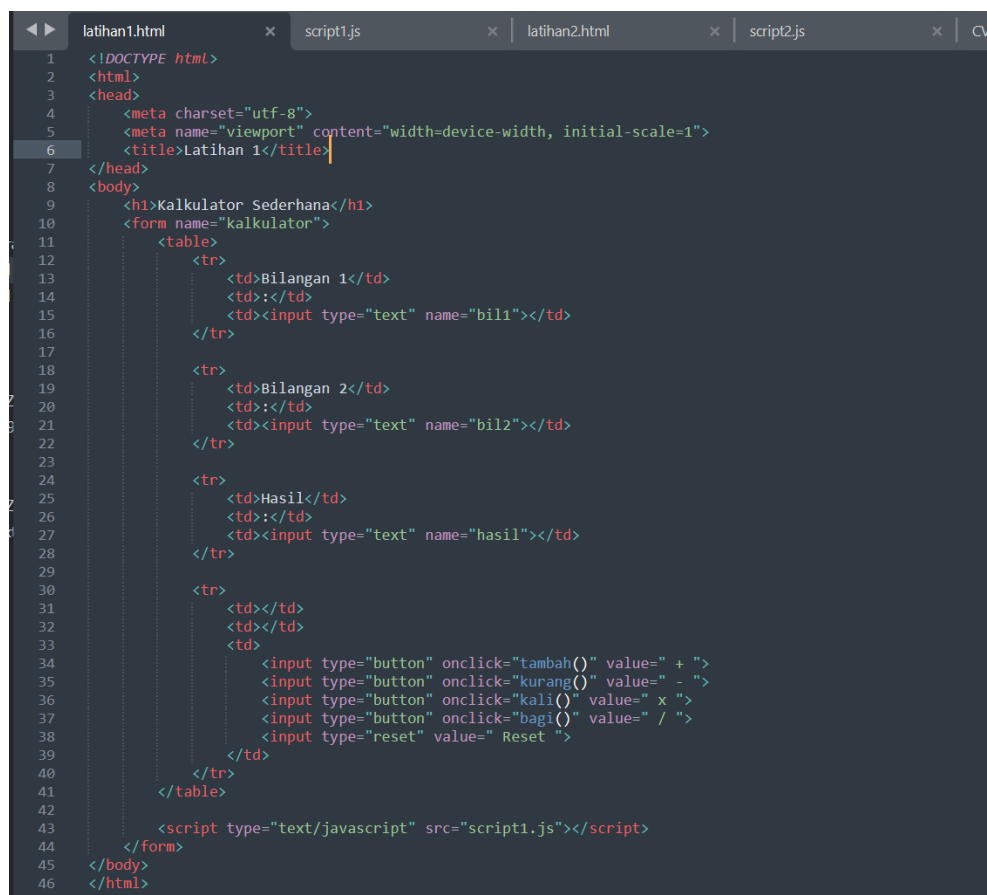
1. Buatlah sebuah kalkulator sederhana yang dapat melakukan perhitungan dua buah variabel.

- Jumlah
- Kurang
- Kali
- Bagi

Simpan dengan nama latihan1.html

➔ Untuk membuat kalkulator sederhana dapat dilakukan dengan kode HTML dan script javascript seperti berikut.

Kode HTML



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Latihan 1</title>
7 </head>
8 <body>
9   <h1>Kalkulator Sederhana</h1>
10  <form name="kalkulator">
11    <table>
12      <tr>
13        <td>Bilangan 1</td>
14        <td>:</td>
15        <td><input type="text" name="bil1"></td>
16      </tr>
17      <tr>
18        <td>Bilangan 2</td>
19        <td>:</td>
20        <td><input type="text" name="bil2"></td>
21      </tr>
22      <tr>
23        <td>Hasil</td>
24        <td>:</td>
25        <td><input type="text" name="hasil"></td>
26      </tr>
27      <tr>
28        <td></td>
29        <td></td>
30        <td>
31          <input type="button" onclick="tambah()" value=" + ">
32          <input type="button" onclick="kurang()" value=" - ">
33          <input type="button" onclick="kali()" value=" x ">
34          <input type="button" onclick="bagi()" value=" / ">
35          <input type="reset" value=" Reset ">
36        </td>
37      </tr>
38    </table>
39  </form>
40  <script type="text/javascript" src="script1.js"></script>
41 </body>
42 </html>
```

## Script javascript

```
latihan1.html x script1.js x latihan2.html x script2.js
1 function tambah() {
2   // body...
3   var bil1 = parseFloat(document.kalkulator.bil1.value);
4   var bil2 = parseFloat(document.kalkulator.bil2.value);
5   var hasil = bil1 + bil2;
6   document.kalkulator.hasil.value=hasil;
7 }
8
9 function kurang() {
10  // body...
11  var bil1 = parseFloat(document.kalkulator.bil1.value);
12  var bil2 = parseFloat(document.kalkulator.bil2.value);
13  var hasil = bil1 - bil2;
14  document.kalkulator.hasil.value=hasil;
15 }
16
17 function kali() {
18  // body...
19  var bil1 = parseFloat(document.kalkulator.bil1.value);
20  var bil2 = parseFloat(document.kalkulator.bil2.value);
21  var hasil = bil1 * bil2;
22  document.kalkulator.hasil.value=hasil;
23 }
24
25 function bagi() {
26  // body...
27  var bil1 = parseFloat(document.kalkulator.bil1.value);
28  var bil2 = parseFloat(document.kalkulator.bil2.value);
29  var hasil = bil1 / bil2;
30  document.kalkulator.hasil.value=hasil;
31 }
32
```

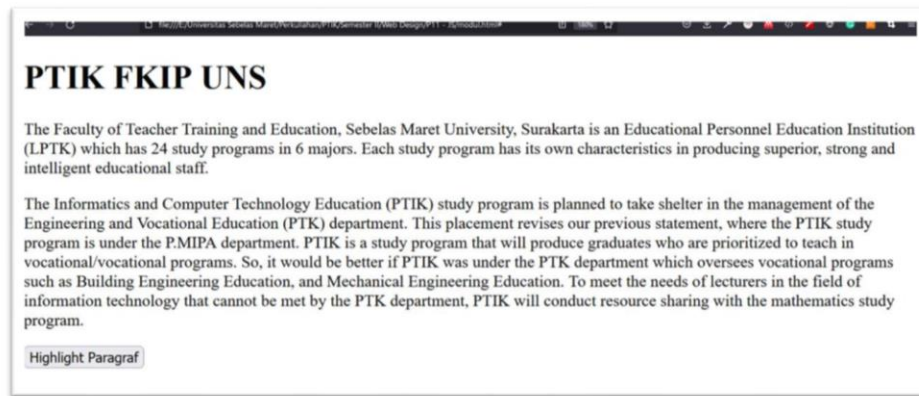
2. Diketahui sebuah halaman web profil PTIK mengandung tulisan sebagai berikut.

### PTIK FKIP UNS

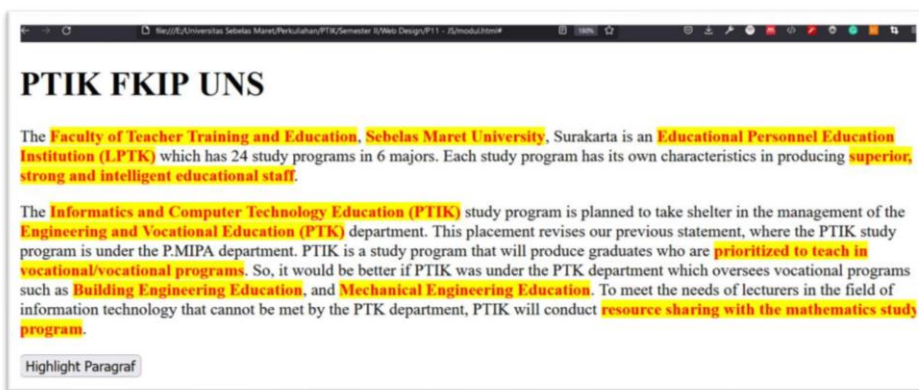
*The Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta is an Educational Personnel Education Institution (LPTK) which has 24 study programs in 6 majors. Each study program has its own characteristics in producing superior, strong and intelligent educational staff.*

*The Informatics and Computer Technology Education (PTIK) study program is planned to take shelter in the management of the Engineering and Vocational Education (PTK) department. This placement revises our previous statement, where the PTIK study program is under the P.MIPA department. PTIK is a study program that will produce graduates who are prioritized to teach in vocational/vocational programs. So, it would be better if PTIK was under the PTK department which oversees vocational programs such as Building Engineering Education, and Mechanical Engineering Education. To meet the needs of lecturers in the field of information technology that cannot be met by the PTK department, PTIK will conduct resource sharing with the mathematics study program.*

**Buatlah halaman yang dapat menampilkan paragraph dan sebuah tombol. Apabila tombol tersebut ditekan maka dapat melakukan highlight tulisan tertentu di dalam paragraph sehingga tampilan yang awalnya seperti ini:**



Berubah menjadi:



Warna berubah merah, background kuning dan teks tebal. Jika ditekan kembali, maka highlight akan menghilang. Simpan halaman web dengan nama latihan2.html

➔ Untuk membuat halaman web seperti di atas dapat dilakukan dengan kode HTML dan script javascript seperti berikut.

Kode HTML

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1">
6 <title>latihan 2</title>
7 </head>
8 <body>
9 <h1>PTIK FKIP UNS</h1>
10
11 <p>
12 The <span class="blok">Faculty of Teacher Training and Education</span>, <span class="blok">Sebelas Maret University</span>,
13 Surakarta is an <span class="blok">Educational Personnel Education Institution (LPTK)</span> which has 24 study programs in 6
14 majors. Each study program has its own characteristics in producing <span class="blok">superior, strong and intelligent
15 educational staff</span>.
16 </p>
17 <p>
18 The <span class="blok">Informatics and Computer Technology Education (PTIK)</span> study program is planned to take shelter in the
19 management of the <span class="blok">Engineering and Vocational Education (PTK)</span> department. This placement revises our
20 previous statement, where the PTIK study program is under the P.MIPA department. PTIK is a study program that will produce
21 graduates who are <span class="blok">prioritized to teach in vocational/vocational programs</span>. So, it would be better if PTIK
22 was under the PTK department which oversees vocational programs such as <span class="blok">Building Engineering Education</span>,
23 and <span class="blok">Mechanical Engineering Education</span>. To meet the needs of lecturers in the field of information
24 technology that cannot be met by the PTK department, PTIK will conduct <span class="blok">resource sharing with the mathematics study
25 program</span>.
26 </p>
27 <p>
28 <input type="button" onclick="highlight()" value="Highlight Paragraf">
29 </p>
30 <script type="text/javascript" src="script2.js"></script>
31 </body>
32 </html>

```

## Script javascript

```
latihan1.html x | script1.js x | latihan2.html
1  function highlight() {
2      // body...
3      const nodeList = document.querySelectorAll(".blok");
4
5      if (nodeList[0].style.color!="red") {
6          for (let i = 0; i < nodeList.length; i++) {
7              nodeList[i].style.backgroundColor = "yellow";
8              nodeList[i].style.color = "red";
9              nodeList[i].style.fontWeight = "bold";
10         }
11     }
12     else {
13         for (let i = 0; i < nodeList.length; i++) {
14             nodeList[i].removeAttribute("style");
15         }
16     }
17 }
```