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K3521061 / Kelas A

Labwork 7

1. Membuat kalkulator sederhana yang dapat melakukan perhitungan (jumlah, kurang, kali, bagi) dari dua variable

```
2. <!DOCTYPE html>
3. <html>
4.
5. <head>
6.     <title>Kalkulator</title>
7.     <link
8.         href="https://fonts.googleapis.com/css2?family=Montserrat:wght@300;400;
9.         500;600;700;800;900&family=Noto+Sans+JP&family=Nunito:wght@200;300;400&
10.        family=Ubuntu&display=swap" rel="stylesheet">
11.     <style>
12.         body{
13.             background-image:
14.             url('https://i.pinimg.com/564x/a9/40/59/a94059d9f0c985f4d16a3af9d493734
15.             8.jpg');
16.             background-size: cover;
17.         }
18.         .container {
19.             font-family: 'Noto Sans JP', sans-serif;
20.             height: 100vh;
21.             display: flex;
22.             justify-content: center;
23.             align-items: center;
24.             width: 100%;
25.         }
26.         form{
27.             background-color: #F77E21;
28.             width: 300px;
29.             height: 350px;
30.             padding: 24px;
31.             display: flex;
32.             justify-content: center;
33.             align-items: center;
34.             flex-direction: column;
35.             gap: 16px;
36.             border-radius: 12px;
37.         }
38.         .button{
39.             display: flex;
40.             gap: 10px;
41.             justify-content: space-between;
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37.     }
38.     button,input {
39.         font-size: 16px;
40.         padding: 4px 8px;
41.         width: 100%;
42.     }
43. </style>
44.</head>
45.
46.<body>
47.    <div class="container">
48.        <form class="form">
49.            <h1>Kalkulator</h1>
50.            <input type="number" name="number1" id="number1"
placeholder="0">
51.            <input type="number" name="number2" id="number2"
placeholder="0">
52.            <div class="button">
53.                <button type="button" onclick="tambah()">+</button>
54.                <button type="button" onclick="kurang()">-</button>
55.                <button type="button" onclick="kali()">*</button>
56.                <button type="button" onclick="bagi()">/</button>
57.                <button onclick="reset()">Clear</button>
58.            </div>
59.            <input type="text" name="result" id="result" disabled>
60.        </form>
61.    </div>
62.
63.    <script>
64.        function getValue() {
65.            let a = document.querySelector('#number1').value;
66.            let b = document.querySelector('#number2').value;
67.            if (a == '') {
68.                a = 0;
69.            } else if (b == '') {
70.                b = 0;
71.            }
72.            return [a, b];
73.        }
74.
75.        function tambah() {
76.            let values = getValue();
77.            let x = (parseFloat(values[0]) + parseFloat(values[1]));
78.            if (x !== x) {
79.                console.log('0');
80.                document.getElementById('result').value = 0;
81.            } else {
82.                console.log(x);

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83.         document.getElementById('result').value = x;
84.     }
85. }
86.
87. function kurang() {
88.     let values = getValue();
89.     let x = (parseFloat(values[0]) - parseFloat(values[1]));
90.     if (x !== x) {
91.         console.log('0');
92.         document.getElementById('result').value = 0;
93.     } else {
94.         console.log(x);
95.         document.getElementById('result').value = x;
96.     }
97. }
98.
99. function kali() {
100.     let values = getValue();
101.     let x = (parseFloat(values[0]) *
parseFloat(values[1]));
102.     if (x !== x) {
103.         console.log('0');
104.         document.getElementById('result').value = 0;
105.     } else {
106.         console.log(x);
107.         document.getElementById('result').value = x;
108.     }
109. }
110.
111. function bagi() {
112.     let values = getValue();
113.     let x = (parseFloat(values[0]) /
parseFloat(values[1]));
114.     if (parseFloat(values[1]) == 0 || values[1] == '') {
115.         document.getElementById('result').value = '~';
116.     } else {
117.         if (x !== x) {
118.             document.getElementById('result').value = 0;
119.         } else {
120.
121.             console.log(x);
122.             document.getElementById('result').value = x;
123.         }
124.     }
125. }
126.
127. function reset() {
128.     console.clear();

```

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129.         }
130.     </script>
131. </body>
132.
133. </html>

```

2. Membuat halaman yang dapat meng-highlight tulisan tertentu ketika click tombol, dan akan kembali seperti semula jika tombol kembali diclick

```

3. <!DOCTYPE html>
4. <html>
5.     <head>
6.         <meta name="viewport" content="width=device-width, initial-
           scale=1.0">
7.         <title>Highlight Tulisan</title>
8.
9.         <style>
10.            .sorot.a {
11.                background-color: yellow;
12.                color: red;
13.                font-weight: 800;
14.            }
15.        </style>
16.    </head>
17.
18.    <body>
19.        <h1>PTIK FKIP UNS</h1>
20.
21.        <p>The <span class="sorot">Faculty of Teacher Training and
           Education, Sebelas Maret University</span>,
22.            Surakarta is an Educational Personnel <span
           class="sorot">Education Institution (LPTK)</span> which has 24 study
           programs in 6 majors.
23.            Each study program has its own characteristics in
           producing <span class="sorot">superior, strong and intelligent
           educational staff.</span>
24.        </p>
25.
26.        <p>
27.            The <span class="sorot"> Informatics and Computer
           Technology Education (PTIK) </span> study program is planned to take
           shelter in the
28.            management of the <span class="sorot"> Engineering and
           Vocational Education (PTK)</span> department. This placement revises
           our previous
29.            statement, where the PTIK study program is under the
           P.MIPA department. PTIK is a study program that will produce
           graduates who are

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30.         <span class="sorot"> prioritized to teach in
vocalional/vocational programs </span>. So, it would be better if
PTIK
31.         was under the PTK department which oversees vocational
programs such as <span class="sorot"> Building Engineering Education
</span>, and
32.         <span class="sorot"> Mechanical Engineering
Education</span>. To meet the needs of lecturers in the field of
information technology that
33.         cannot be met by the PTK department, PTIK will conduct
<span class="sorot"> resource sharing with the mathematics study
program</span>.
34.     </p>
35.
36.     <button onclick="Sorot()">Highlight Paragraf</button>
37.
38.     <script>
39.         const sorot = document.querySelectorAll('.sorot');
40.
41.         function Sorot() {
42.             sorot.forEach( (item) => {
43.                 if(item.classList.contains('a')) {
44.                     item.classList.remove('a')
45.                 } else {
46.                     item.classList.add('a')
47.                 }
48.             })
49.         };
50.     </script>
51. </body>
52.</html>
```