

# **LAPORAN**

## **WORKSHOP PEMROGRAMAN WEB**



**KODE MATAKULIAH**  
**SEMESTER 2**

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**PROGRAM STUDI TEKNIK KOMPUTER**  
**JURUSAN TEKNOLOGI INFORMASI**  
**POLITEKNIK NEGERI JEMBER**  
**TAHUN 2024**

Disini saya menggunakan kode program yang berupa

1.HTML

2.JAVASCRIPT

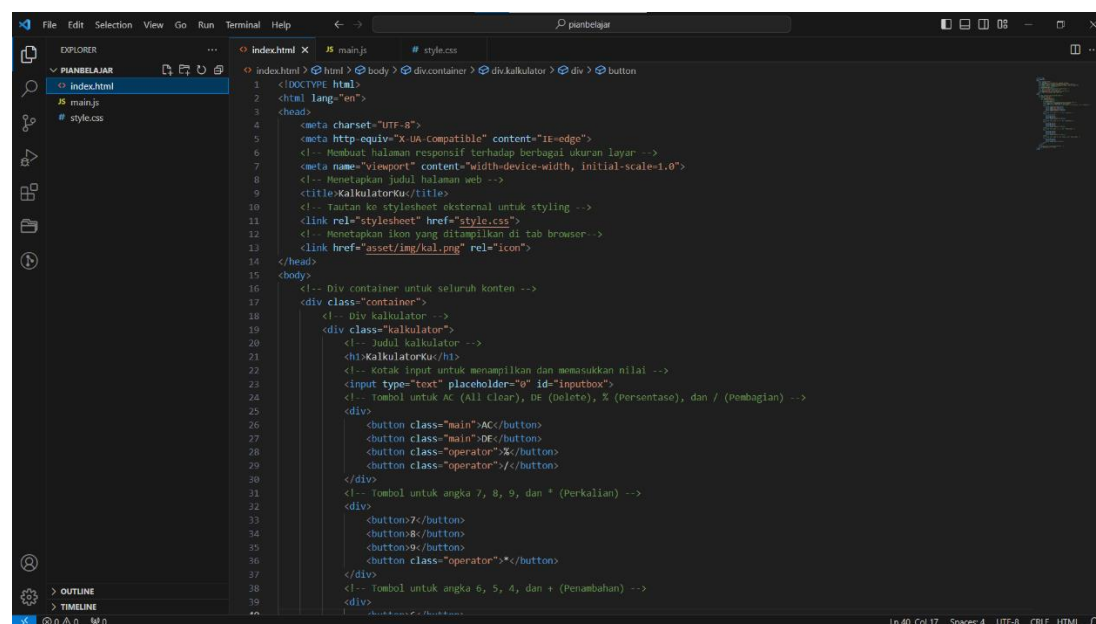
3.CSS

Yang dimana saya menggunakan ketiganya dengan konsep OOP yang ada diJAVA dan pada CSS

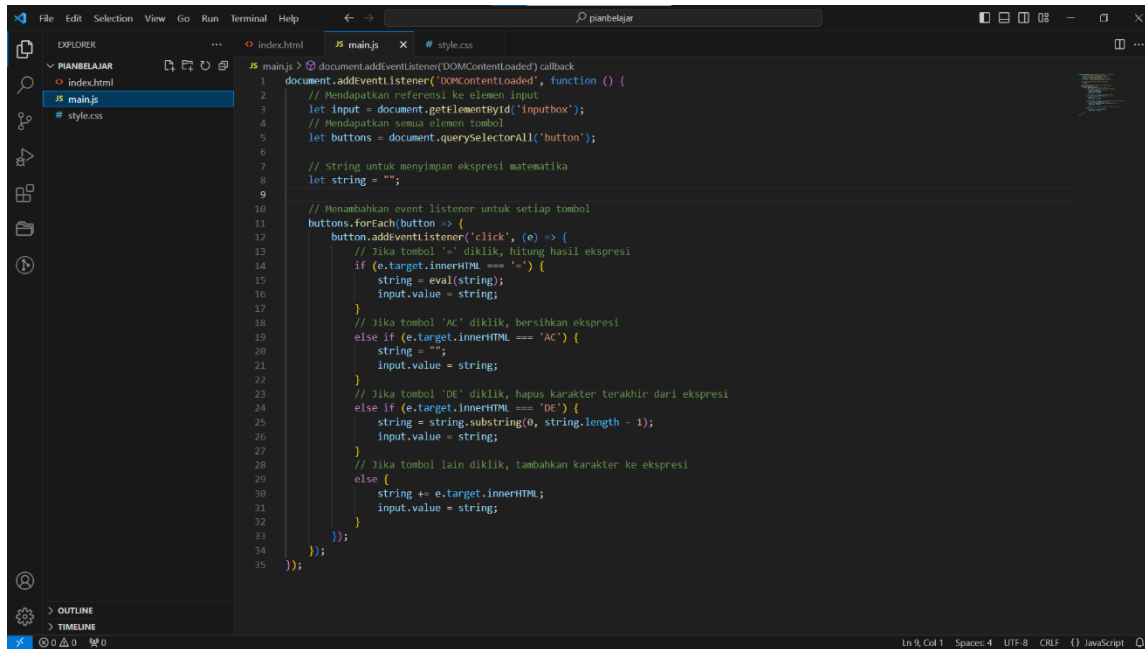
Berikut kode-kodenya:

1.HTML

```
7     </div>
8     <!-- Tombol untuk angka 6, 5, 4, dan + (Penambahan) -->
9     <div>
10        <button>6</button>
11        <button>5</button>
12        <button>4</button>
13        <button class="operator">+</button>
14    </div>
15    <!-- Tombol untuk angka 3, 2, 1, dan - (Pengurangan) -->
16    <div>
17        <button>3</button>
18        <button>2</button>
19        <button>1</button>
20        <button class="operator">-</button>
21    </div>
22    <!-- Tombol untuk angka 0, titik desimal, dan = (Sama Dengan) -->
23    <div>
24        <button>0</button>
25        <button>.</button>
26        <button class="hasil">=</button>
27    </div>
28 </div>
29 </div>
30 <!-- Tautan ke file JavaScript eksternal -->
31 <script src="main.js"></script>
32 </body>
33 </html>
```



## 2.JAVASCRIPT



The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project named 'PIANBELAJAR' with files 'index.html' and 'main.js'. The main editor area displays the content of 'main.js', which is a JavaScript file implementing a simple calculator. The code includes DOMContentLoaded event listener, variable declarations for input and buttons, and logic for performing arithmetic operations (+, -, \*, /) and handling input clearing and calculation.

```
1 document.addEventListener('DOMContentLoaded') callback
2 document.addEventListener('DOMContentLoaded', function () {
3     // Mendapatkan referensi ke elemen input
4     let input = document.getElementById('inputbox');
5     // Mendapatkan semua elemen tombol
6     let buttons = document.querySelectorAll('button');
7
8     // String untuk menyimpan ekspresi matematika
9     let string = "";
10
11     // Menambahkan event listener untuk setiap tombol
12     buttons.forEach(button => {
13         button.addEventListener('click', (e) => {
14             // Jika tombol '=' diklik, hitung hasil ekspresi
15             if (e.target.innerHTML === '=') {
16                 string = eval(string);
17                 input.value = string;
18             }
19             // Jika tombol 'AC' diklik, bersihkan ekspresi
20             else if (e.target.innerHTML === 'AC') {
21                 string = "";
22                 input.value = string;
23             }
24             // Jika tombol 'DE' diklik, hapus karakter terakhir dari ekspresi
25             else if (e.target.innerHTML === 'DE') {
26                 string = string.substring(0, string.length - 1);
27                 input.value = string;
28             }
29             // Jika tombol lain diklik, tambahkan karakter ke ekspresi
30             else {
31                 string += e.target.innerHTML;
32                 input.value = string;
33             }
34         });
35     });
36 });
```

## 3.CSS

This screenshot shows the VS Code editor with the file explorer on the left displaying a project named 'PIANBELAJAR' containing 'index.html', 'main.js', and 'style.css'. The 'style.css' file is open in the editor, showing the following CSS code:

```
# style.css > -
29 input {
30   color: #fff;
31 }
32
33 input::placeholder {
34   color: #fff;
35 }
36
37 button {
38   border: none;
39   outline: none;
40   height: 60px;
41   width: 60px;
42   border-radius: 10px;
43   background: #303136;
44   font-size: 21px;
45   font-weight: 600;
46   color: #white;
47   margin: 10px;
48   cursor: pointer;
49 }
50
51 .hasil {
52   width: 144px;
53   color: #white;
54   background: #rgb(255, 0, 0);
55   font-weight: 700;
56 }
57
58 .main {
59   color: #white;
60   background: #rgb(255, 0, 0);
61   font-weight: 400;
62 }
63
64 .operator {
65   color: #white;
66   background: #rgb(70, 137, 230);
67 }
```

The status bar at the bottom indicates 'Ln 8, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', and 'CSS'.

This screenshot shows the VS Code editor with the file explorer on the left displaying a project named 'PIANBELAJAR' containing 'index.html', 'main.js', and 'style.css'. The 'style.css' file is open in the editor, showing the following CSS code:

```
# style.css > -
1
2 {
3   padding: 0;
4   margin: 0;
5   box-sizing: border-box;
6   font-family: 'Poppins', sans-serif;
7 }
8
9 .container {
10   height: 100vh;
11   width: 100%;
12   background: #d2d2d2;
13   display: flex;
14   align-items: center;
15   justify-content: center;
16 }
17
18 .kalkulator {
19   background: #171717;
20   padding: 26px;
21   border-radius: 20px;
22 }
23
24 h1 {
25   text-align: center;
26   color: #fff;
27 }
28
29 input {
30   width: 330px;
31   padding: 25px;
32   margin: 10px;
33   background: transparent;
34   border: none;
35   outline: none;
36   font-size: 45px;
37   text-align: right;
38   color: #fff;
39 }
```

The status bar at the bottom indicates 'Ln 8, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', and 'CSS'.

Dan berikut ini adalah hasilnya

