Nama : Raja Josua Simanungkalit

NIM   : 120140134

Kelas : RA

Link Github : https://github.com/RajaJosuaS/PAM/tree/main/Tugas%201

Screenshot HTML

```
1   <!DOCTYPE html>
2 ▼ <html lang="en">
3
4 ▼ <head>
5       <meta charset="UTF-8">
6       <meta http-equiv="X-UA-Compatible" content="IE=edge">
7       <link rel="stylesheet" href="style.css">
8       <meta name="viewport" content="width=device-width, initial-scale=1.0">
9       <title>Tugas 1 PAM_120140134_Raja Josua Simanungkalit_RA</title>
10  </head>
11
12 ▼ <body>
13
14 ▼     <div class="tabel">
15 ▼         <table class="tabel1">
16 ▼             <thead>
17 ▼                 <tr>
18                         <th>No</th>
19                         <th>Nama</th>
20                         <th>NIM</th>
21                         <th>Nilai</th>
22                         <th>Huruf Mutu</th>
23                     </tr>
24              </thead>
25 ▼             <tbody>
26              </tbody>
27          </table>
28
29          <!--jquery to make data fakerjs to create dummy data-->
30          <script src="https://code.jquery.com/jquery-3.6.1.slim.min.js"
31              integrity="sha256-w8CvhFs7iHNVUtnSP0YKEg00p9Ih13rlL9zGqvLdePA=" crossorigin="anonymous"></script>
32 ▼         <script type="module">
33              import { faker } from 'https://cdn.skypack.dev/@faker-js/faker/locale/id_ID';
34
35 ▼             $(document).ready(function () {
36 ▼                 let data = [{
37                      "Nama": "Raja Josua Simanungkalit",
38                      "NIM": 134,
39                      "Nilai": 80
```
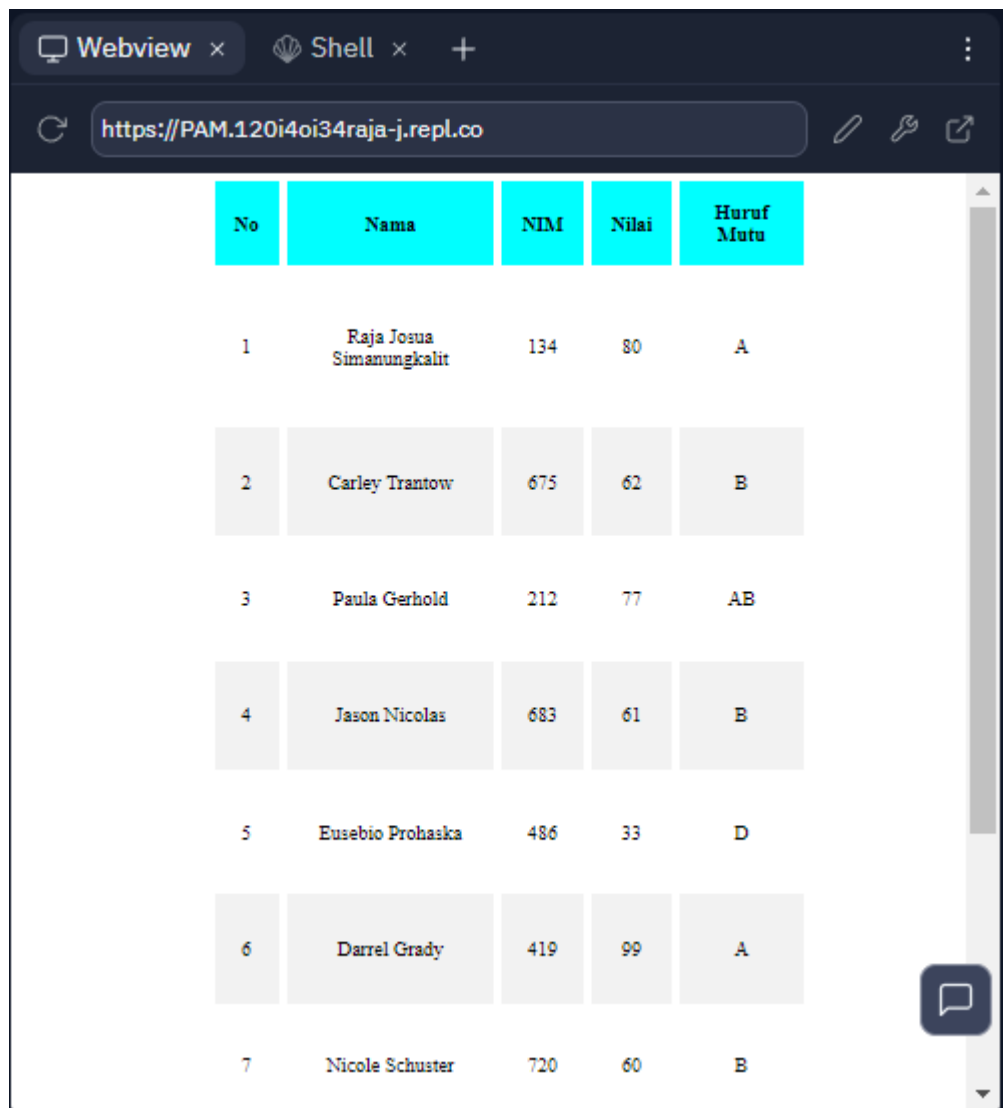
```javascript
        }];

        let dataMax = 10;
        for (let i = 1; i < dataMax; i++) {
            data.push({
                "Nama": faker.name.firstName() + " " + faker.name.lastName(),
                "NIM": faker.random.numeric(3),
                "Nilai": faker.random.numeric(2)
            });
        }

        let tr;
        let mutu;

        for (let i = 0; i < dataMax; i++) {
            tr = $('<tr/>');
            tr.append('<td>' + (i + 1) + "</td>");
            tr.append('<td>' + data[i].Nama + "</td>");
            tr.append('<td>' + data[i].NIM + "</td>");
            tr.append('<td>' + data[i].Nilai + "</td>");

            switch (true) {
                case (data[i].Nilai >= 80):
                    mutu = "A";
                    break;
                case (data[i].Nilai >= 70):
                    mutu = "AB";
                    break;
                case (data[i].Nilai >= 60):
                    mutu = "B";
                    break;
                case (data[i].Nilai >= 50):
                    mutu = "BC";
                    break;
                case (data[i].Nilai >= 40):
                    mutu = "C";
                    break;
                case (data[i].Nilai >= 10):
                    mutu = "D";
                    break;
                default:
                    mutu = "E";
                    break;
            }
            tr.append('<td>' + mutu + "</td>");
            $('table').first().append(tr);
        }
    });
    </script>
    </div>
</body>
</html>
```

Screenshot CSS

```css
    font-size: 10px;
    color: black;
    border: 1px solid white;
    margin-left: auto;
    margin-right: auto;
    table-layout: auto;
    border-collapse: collapse;
}

.tabel1 {
    background-color: white;
    width: 300px;
    height: 650px;
    margin-left: auto;
    margin-right: auto;
    overflow: auto;
}

tr:nth-child(even) {
    background-color: #f2f2f2;
}

th {
    border: 1px solid white;
    text-align: center;
    padding: 10px;
    background-color: aqua;
}

td {
    border: 1px solid white;
    text-align: center;
    padding: 10px;
}
```

Hasil Program

No	Nama	NIM	Nilai	Huruf Mutu
1	Raja Josua Simanungkalit	134	80	A
2	Carley Trantow	675	62	B
3	Paula Gerhold	212	77	AB
4	Jason Nicolas	683	61	B
5	Eusebio Prohaska	486	33	D
6	Darrel Grady	419	99	A
7	Nicole Schuster	720	60	B