Nama : Raja Josua Simanungkalit

NIM : 120140134

Kelas : RA

Link Github :

Screenshot HTML

```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
```
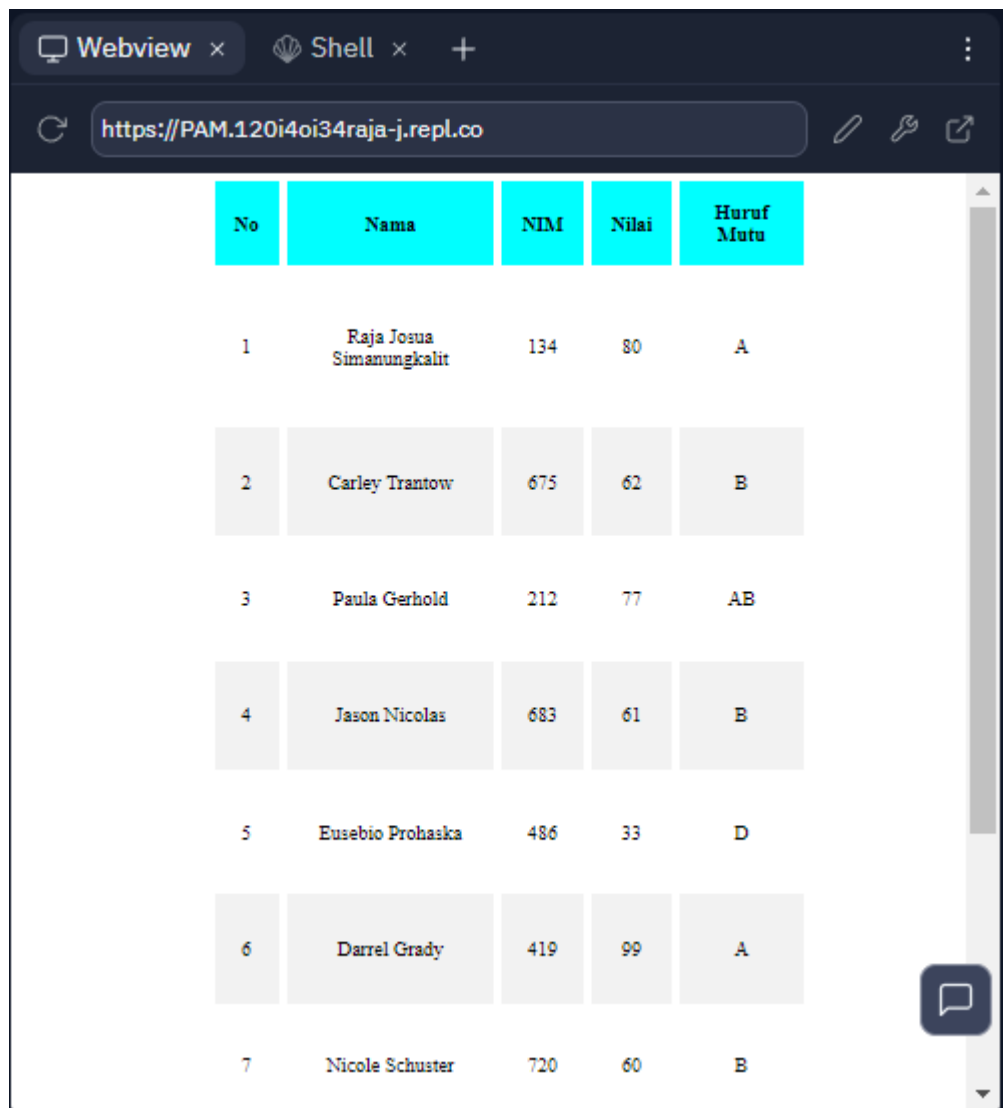
```
40          }];
41
42              let dataMax = 10;
43              for (let i = 1; i < dataMax; i++) {
44                  data.push({
45                      "Nama": faker.name.firstName() + " " + faker.name.lastName(),
46                      "NIM": faker.random.numeric(3),
47                      "Nilai": faker.random.numeric(2)
48                  });
49              }
50
51              let tr;
52              let mutu;
53
54              for (let i = 0; i < dataMax; i++) {
55                  tr = $('<tr/>');
56                  tr.append('<td>' + (i + 1) + "</td>");
57                  tr.append('<td>' + data[i].Nama + "</td>");
58                  tr.append('<td>' + data[i].NIM + "</td>");
59                  tr.append('<td>' + data[i].Nilai + "</td>");
60
61                  switch (true) {
62                      case (data[i].Nilai >= 80):
63                          mutu = "A";
64                          break;
65                      case (data[i].Nilai >= 70):
66                          mutu = "AB";
67                          break;
68                      case (data[i].Nilai >= 60):
69                          mutu = "B";
70                          break;
71                      case (data[i].Nilai >= 50):
72                          mutu = "BC";
73                          break;
74                      case (data[i].Nilai >= 40):
75                          mutu = "C";
76                          break;
77                      case (data[i].Nilai >= 10):
78                          mutu = "D";
79                          break;
80                      default:
81                          mutu = "E";
82                          break;
83                  }
84                  tr.append('<td>' + mutu + "</td>");
85                  $('table').first().append(tr);
86              }
87          });
88      </script>
89  </div>
90  </body>
91
92  </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