

Tugas Latihan 3

Lab Pemrograman WEB

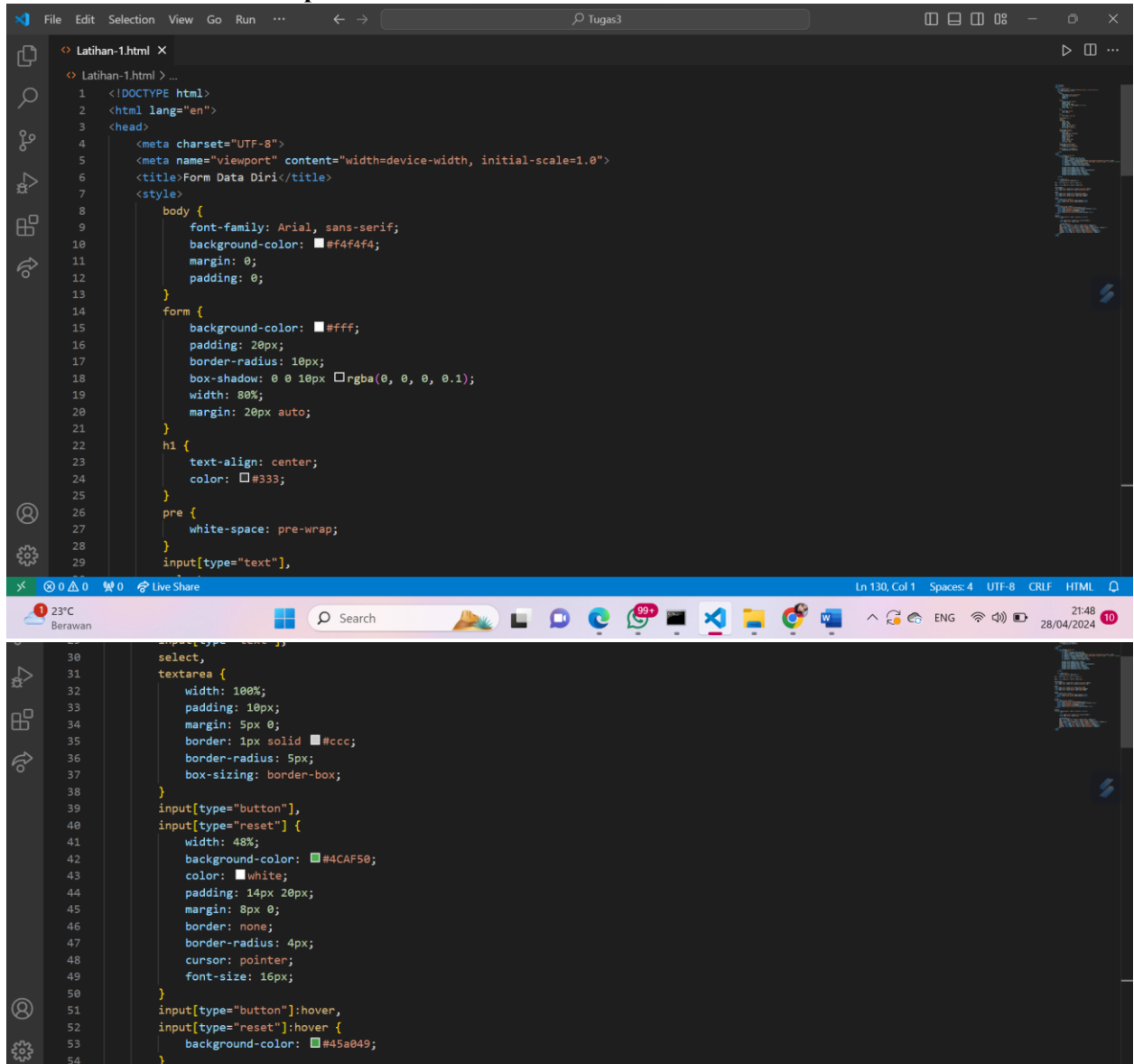
Nama : Risma Handayani

NPM : 222310015

Hasil Pengerjaan Soal Latihan 3.3 (Soal modul Pemrograman Web)

1. Latihan-1

Source Code dan JavaScript:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Form Data Diri</title>
7   <style>
8     body {
9       font-family: Arial, sans-serif;
10      background-color: #f4f4f4;
11      margin: 0;
12      padding: 0;
13    }
14    form {
15      background-color: #fff;
16      padding: 20px;
17      border-radius: 10px;
18      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
19      width: 80%;
20      margin: 20px auto;
21    }
22    h1 {
23      text-align: center;
24      color: #333;
25    }
26    pre {
27      white-space: pre-wrap;
28    }
29    input[type="text"],
30    select,
31    textarea {
32      width: 100%;
33      padding: 10px;
34      margin: 5px 0;
35      border: 1px solid #ccc;
36      border-radius: 5px;
37      box-sizing: border-box;
38    }
39    input[type="button"],
40    input[type="reset"] {
41      width: 48%;
42      background-color: #4CAF50;
43      color: #fff;
44      padding: 14px 20px;
45      margin: 8px 0;
46      border: none;
47      border-radius: 4px;
48      cursor: pointer;
49      font-size: 16px;
50    }
51    input[type="button"]:hover,
52    input[type="reset"]:hover {
53      background-color: #45a049;
54    }
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html X
Latihan-1.html > ...
2 <html lang="en">
3 <head>
7 <style>
55   input[type="text"][readonly] {
56     background-color: #f4f4f4;
57   }
58 </style>
59 </head>
60 <body>
61   <script language="JavaScript">
62     function tekan() {
63       var nimstr = document.fform.nim.value;
64       var namastr = document.fform.nama.value;
65       var jeniskelaminstr = document.querySelector('input[name="jeniskelamin"]:checked').value;
66       var agamastr = document.querySelector('input[name="agama"]:checked').value; // Perbaikan: tambahkan ':checked'
67       var statusstr = document.fform.status.value;
68       var jurusanstr = document.fform.jurusan.value;
69       var komentarstr = document.fform.komentar.value;
70
71       document.fform.takeNim.value = nimstr;
72       document.fform.takeNama.value = namastr;
73       document.fform.takeJeniskelamin.value = jeniskelaminstr;
74       document.fform.takeAgama.value = agamastr;
75       document.fform.takeStatus.value = statusstr;
76       document.fform.takeJurusan.value = jurusanstr;
77       document.fform.takeKomentar.value = komentarstr;
78     }
79   </script>
80
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html X
Latihan-1.html > ...
2 <html lang="en">
60 <body>
80   <form name="fform">
81     <h1>Form Data Diri Mahasiswa</h1>
82     <pre>
83     NIM : <input type="text" size="12" name="nim">
84
85     Nama : <input type="text" size="25" name="nama">
86
87     Jenis Kelamin :
88     <input type="radio" value="Wanita" name="jeniskelamin">Wanita
89     <input type="radio" value="Pria" name="jeniskelamin">Pria
90
91     Agama:
92     <input type="radio" value="Islam" name="agama">Islam
93     <input type="radio" value="Kristen" name="agama">Kristen
94     <input type="radio" value="Buddha" name="agama">Buddha
95
96     Status:
97     <select name="status" size="1">
98       <option value="belum menikah">Belum menikah</option>
99       <option value="sudah menikah">Sudah menikah</option>
100    </select>
101
102    Jurusan :
103    <select name="jurusan" size="1">
104      <option value="Pariwisata">S1 Pariwisata</option>
105      <option value="Teknologi Informasi">S1 Teknologi Informasi</option>
106
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html X
Latihan-1.html > ...
2 <html lang="en">
60 <body>
81 <form name="fform">
83 <pre>
104 <select name="jurusan" size="1">
106 <option value="Teknologi Informasi">S1 Teknologi Informasi</option>
107 <option value="Managemen">S1 Managemen</option>
108 <option value="Akutansi">S1 Akutansi</option>
109 <option value="Sistem Informasi">S1 Sistem Informasi</option>
110 </select>
111
112 Komentar :
113 <textarea name="komentar" rows="3" cols="30"></textarea>
114 </pre>
115
116 <input type="button" value="Kirim onclick="tekan()">
117 <input type="reset" value="Ulang">
118
119 <h1>Data Anda</h1>
120 NIM: <input type="text" size="11" name="takeNim" readonly><br>
121 Nama: <input type="text" size="25" name="takeNama" readonly><br>
122 Jenis Kelamin: <input type="text" size="10" name="takeJenisKelamin" readonly><br>
123 Agama: <input type="text" size="10" name="takeAgama" readonly><br>
124 Status: <input type="text" size="10" name="takeStatus" readonly><br>
125 Jurusan: <input type="text" size="25" name="takeJurusan" readonly><br>
126 Komentar: <input type="text" size="30" name="takeKomentar" readonly>
127 </form>
128 </body>
129 </html>
```

Output HTML:

Sign in Pemrograman Web: Document TI-22-PB - Google S: Latihan Dengan Ob: Form Data Diri

File | E:/MATKUL%20SEMESTER%204%20Teknologi%20Informasi/Pemrograman%20Web/Laboratorium/Tugas3/Latihan-1.ht...

Form Data Diri Mahasiswa

NIM :
222310015

Nama :
Risma Handayani

Jenis Kelamin :
☒ Wanita
☐ Pria

Agama :
☒ Islam
☐ Kristen
☐ Buddha

Status :
Belum menikah

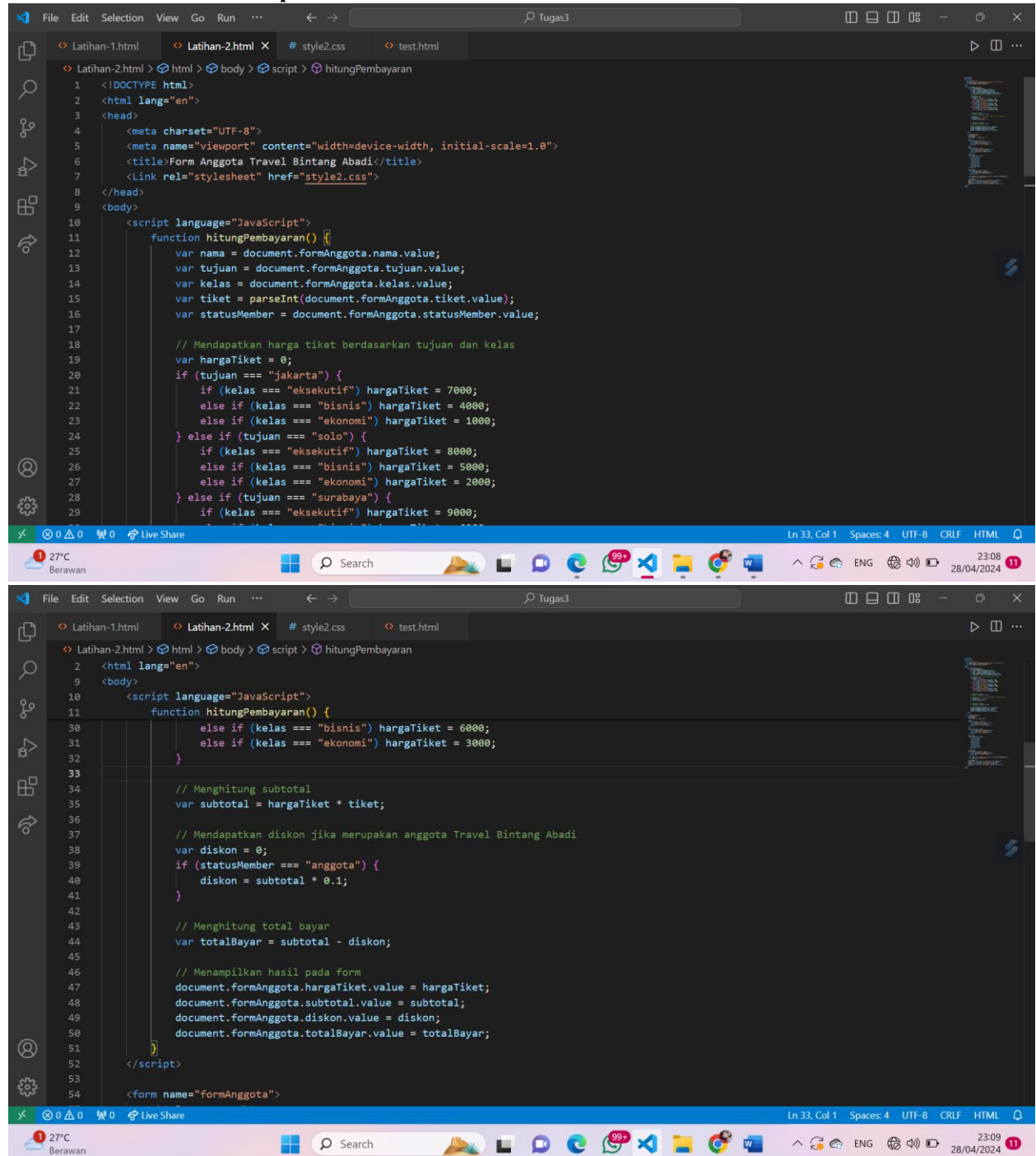
Jurusan :
S1 Teknologi Informasi

Komentar :

The image is a screenshot of a web browser displaying a form titled "Data Anda". The browser's address bar shows the URL: E:/MATKUL%20SEMESTER%204%20Teknologi%20Informasi/Pemrograman%20Web/Laboratorium/Tugas3/Latihan-1.ht... The form contains several input fields: "NIM:" with the value "222310015", "Nama:" with "Risma Handayani", "Jenis Kelamin:" with "Wanita", "Agama:" with "Islam", "Status:" with "belum menikah", and "Jurusan:" which is empty. Above the form, there is a text area labeled "komentar:" containing the text "Aku suka menjadi anak IT karna sangat menantang diri". Below the text area are two green buttons labeled "Kirim" and "Ulang". The browser interface includes a search bar, navigation buttons, and a taskbar at the bottom showing the date 28/04/2024 and time 21:51.

2. Latihan-2

Source Code dan JavaScript:

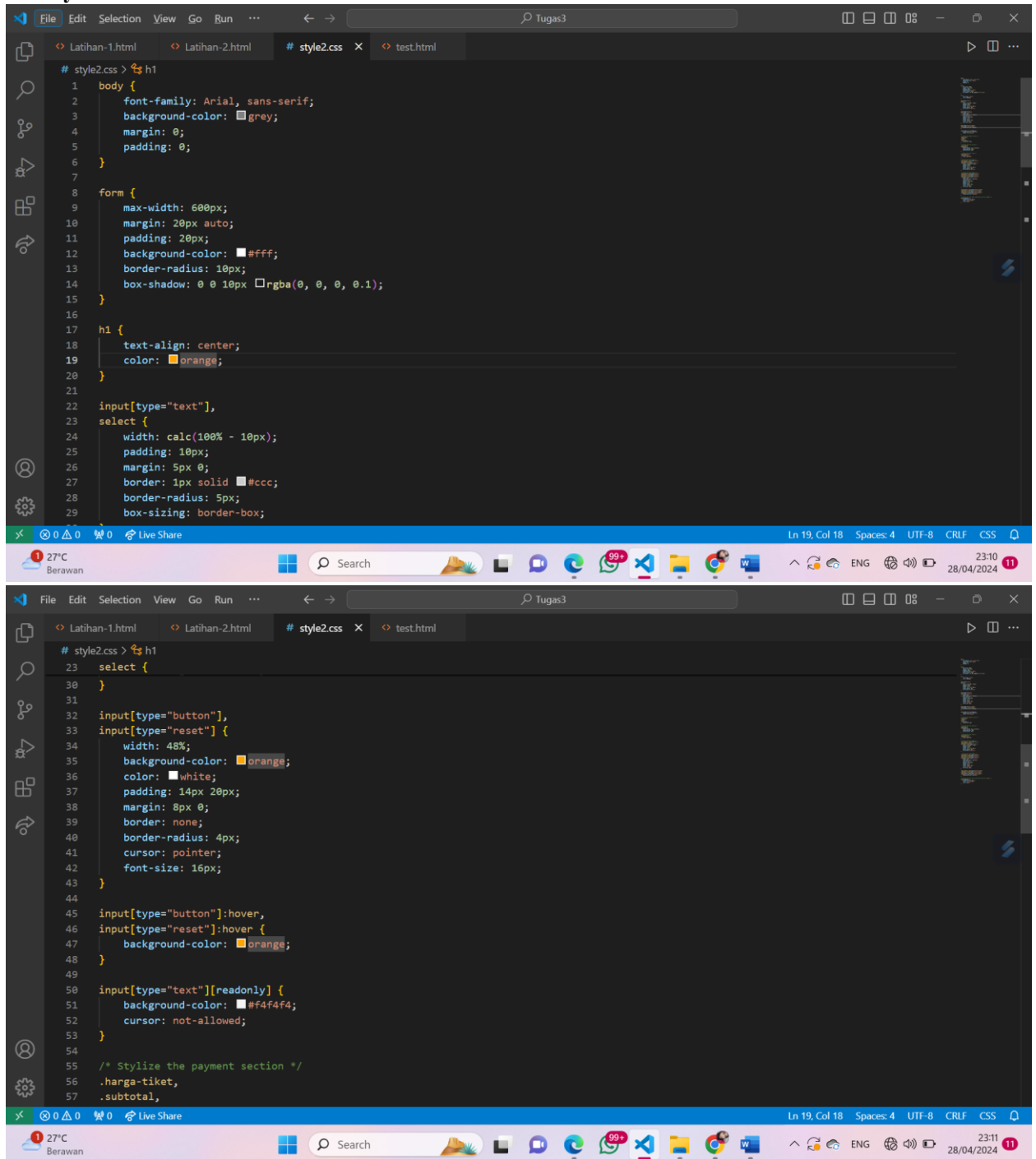


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Form Anggota Travel Bintang Abadi</title>
7   <Link rel="stylesheet" href="style2.css">
8 </head>
9 <body>
10  <script language="JavaScript">
11    function hitungPembayaran() {
12      var nama = document.formAnggota.nama.value;
13      var tujuan = document.formAnggota.tujuan.value;
14      var kelas = document.formAnggota.kelas.value;
15      var tiket = parseInt(document.formAnggota.tiket.value);
16      var statusMember = document.formAnggota.statusMember.value;
17
18      // Mendapatkan harga tiket berdasarkan tujuan dan kelas
19      var hargaTiket = 0;
20      if (tujuan === "jakarta") {
21        if (kelas === "eksekutif") hargaTiket = 7000;
22        else if (kelas === "bisnis") hargaTiket = 4000;
23        else if (kelas === "ekonomi") hargaTiket = 1000;
24      } else if (tujuan === "solo") {
25        if (kelas === "eksekutif") hargaTiket = 8000;
26        else if (kelas === "bisnis") hargaTiket = 5000;
27        else if (kelas === "ekonomi") hargaTiket = 2000;
28      } else if (tujuan === "surabaya") {
29        if (kelas === "eksekutif") hargaTiket = 9000;
30
31      }
32    }
33
34    // Menghitung subtotal
35    var subtotal = hargaTiket * tiket;
36
37    // Mendapatkan diskon jika merupakan anggota Travel Bintang Abadi
38    var diskon = 0;
39    if (statusMember === "anggota") {
40      diskon = subtotal * 0.1;
41    }
42
43    // Menghitung total bayar
44    var totalBayar = subtotal - diskon;
45
46    // Menampilkan hasil pada form
47    document.formAnggota.hargaTiket.value = hargaTiket;
48    document.formAnggota.subtotal.value = subtotal;
49    document.formAnggota.diskon.value = diskon;
50    document.formAnggota.totalBayar.value = totalBayar;
51  }
52 </script>
53
54 <form name="formAnggota">
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html Latihan-2.html X # style2.css test.html
Latihan-2.html > html > body > script > hitungPembayaran
2 <html lang="en">
9 <body>
54 <form name="formAnggota">
55 <h1>Pemesanan</h1>
56 Nama Pemesan:
57 <input type="text" name="nama"><br>
58
59 Tujuan:
60 <select name="tujuan" size="1">
61 <option value="jakarta">Jakarta</option>
62 <option value="solo">Solo</option>
63 <option value="surabaya">Surabaya</option>
64 </select><br>
65
66 Kelas:
67 <select name="kelas" size="1">
68 <option value="eksekutif">Eksekutif</option>
69 <option value="bisnis">Bisnis</option>
70 <option value="ekonomi">Ekonomi</option>
71 </select><br>
72
73 Banyak Tiket:
74 <select name="tiket" size="1">
75 <option>1</option>
76 <option>2</option>
77 <option>3</option>
78 <option>4</option>
79 <option>5</option>
80 <option>6</option>
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html Latihan-2.html X # style2.css test.html
Latihan-2.html > html > body > script > hitungPembayaran
2 <html lang="en">
9 <body>
54 <form name="formAnggota">
74 <select name="tiket" size="1">
80 <option>6</option>
81 <option>7</option>
82 <option>8</option>
83 <option>9</option>
84 <option>10</option>
85 </select><br>
86
87 Status Member:
88 <select name="statusMember" size="1">
89 <option value="anggota">Anggota</option>
90 <option value="bukan">Bukan Anggota</option>
91 </select><br><br>
92
93 <input type="button" value="Hitung Pembayaran" onclick="hitungPembayaran()">
94 <input type="reset" value="Reset">
95
96 <h1>Pembayaran</h1>
97 Harga tiket: <input type="text" name="hargaTiket" readonly><br>
98 Subtotal: <input type="text" name="subtotal" readonly><br>
99 Diskon: <input type="text" name="diskon" readonly><br>
100 Total Bayar: <input type="text" name="totalBayar" readonly><br><br>
101 </form>
102 </body>
103 </html>
104
```

CSSnya:



```
# style2.css > h1
1  body {
2      font-family: Arial, sans-serif;
3      background-color: grey;
4      margin: 0;
5      padding: 0;
6  }
7
8  form {
9      max-width: 600px;
10     margin: 20px auto;
11     padding: 20px;
12     background-color: #fff;
13     border-radius: 10px;
14     box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
15 }
16
17 h1 {
18     text-align: center;
19     color: orange;
20 }
21
22 input[type="text"],
23 select {
24     width: calc(100% - 10px);
25     padding: 10px;
26     margin: 5px 0;
27     border: 1px solid #ccc;
28     border-radius: 5px;
29     box-sizing: border-box;
30 }
31
32 input[type="button"],
33 input[type="reset"] {
34     width: 48%;
35     background-color: orange;
36     color: white;
37     padding: 14px 20px;
38     margin: 8px 0;
39     border: none;
40     border-radius: 4px;
41     cursor: pointer;
42     font-size: 16px;
43 }
44
45 input[type="button"]:hover,
46 input[type="reset"]:hover {
47     background-color: #e67e22;
48 }
49
50 input[type="text"][readonly] {
51     background-color: #f4f4f4;
52     cursor: not-allowed;
53 }
54
55 /* Stylize the payment section */
56 .harga-tiket,
57 .subtotal,
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html Latihan-2.html # style2.css X test.html
# style2.css > h1
58 .diskon,
59 .total-bayar {
60     margin-top: 10px;
61 }
62
63 /* Stylize the form sections */
64 .data-pemesan,
65 .pembayaran {
66     border-bottom: 1px solid #ccc;
67     padding-bottom: 10px;
68     margin-bottom: 20px;
69 }
70
71 /* Stylize the form titles */
72 .data-pemesan h1,
73 .pembayaran h1 {
74     color: #4CAF50;
75 }
76
77 /* Stylize the form fields */
78 .data-pemesan input[type="text"],
79 .data-pemesan select,
80 .pembayaran input[type="text"] {
81     width: calc(100% - 10px);
82     padding: 10px;
83     margin: 5px 0;
84     border: 1px solid #ccc;
85     border-radius: 5px;
86     box-sizing: border-box;
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html Latihan-2.html # style2.css X test.html
# style2.css > h1
80 .pembayaran input[type="text"] {
81 }
82
83 /* Stylize the form buttons */
84 .data-pemesan input[type="button"],
85 .pembayaran input[type="button"],
86 .data-pemesan input[type="reset"],
87 .pembayaran input[type="reset"] {
88     width: 48%;
89     background-color: #4CAF50;
90     color: white;
91     padding: 14px 20px;
92     margin: 8px 0;
93     border: none;
94     border-radius: 4px;
95     cursor: pointer;
96     font-size: 16px;
97 }
98
99 .data-pemesan input[type="button"]:hover,
100 .pembayaran input[type="button"]:hover,
101 .data-pemesan input[type="reset"]:hover,
102 .pembayaran input[type="reset"]:hover {
103     background-color: #45a049;
104 }
105
106 /* Stylize the form input fields when they are readonly */
107 input[readonly] {
108     background-color: grey;
109 }
```


Output HTML:

➤ Jika Pemesan Anggota

The screenshot displays a web browser window with multiple tabs. The active tab shows a form titled "Pemesanan" (Booking) for a member. The form includes fields for "Nama Pemesan:" (Risma Handayani), "Tujuan:" (Surabaya), "Kelas:" (Eksekutif), "Banyak Tiket:" (4), and "Status Member:" (Anggota). Below these fields are two orange buttons: "Hitung Pembayaran" (Calculate Payment) and "Reset".

Below the "Pemesanan" form, the "Pembayaran" (Payment) section is visible. It contains a dropdown menu for "Banyak Tiket:" (4) and a "Status Member:" dropdown (Anggota). Below these are the same "Hitung Pembayaran" and "Reset" buttons. Further down, the "Pembayaran" section displays the following values:

Field	Value
Harga tiket:	9000
Subtotal:	36000
Diskon:	3600
Total Bayar:	32400

The browser's address bar shows the file path: E:/MATKUL%20SEMESTER%204%20Teknologi%20Informasi/Pemrograman%20Web/Laboratorium/Tugas3/Latihan-2.ht... The taskbar at the bottom shows the system clock as 23:06 on 28/04/2024.

➤ Jika pemesan bukan anggota

Sign in Pemrograman Web.pdf Form Data Diri Percabangan IF-ELSE 3 Form Anggota Travel Bintang

File | E:/MATKUL%20SEMESTER%204%20Teknologi%20Informasi/Pemrograman%20Web/Laboratorium/Tugas3/Latihan-2.ht...

4

Status Member:

Bukan Anggota

Hitung Pembayaran Reset

Pembayaran

Harga tiket:

9000

Subtotal:

36000

Diskon:

0

Total Bayar:

36000

27°C Berawan Search 23:08 28/04/2024

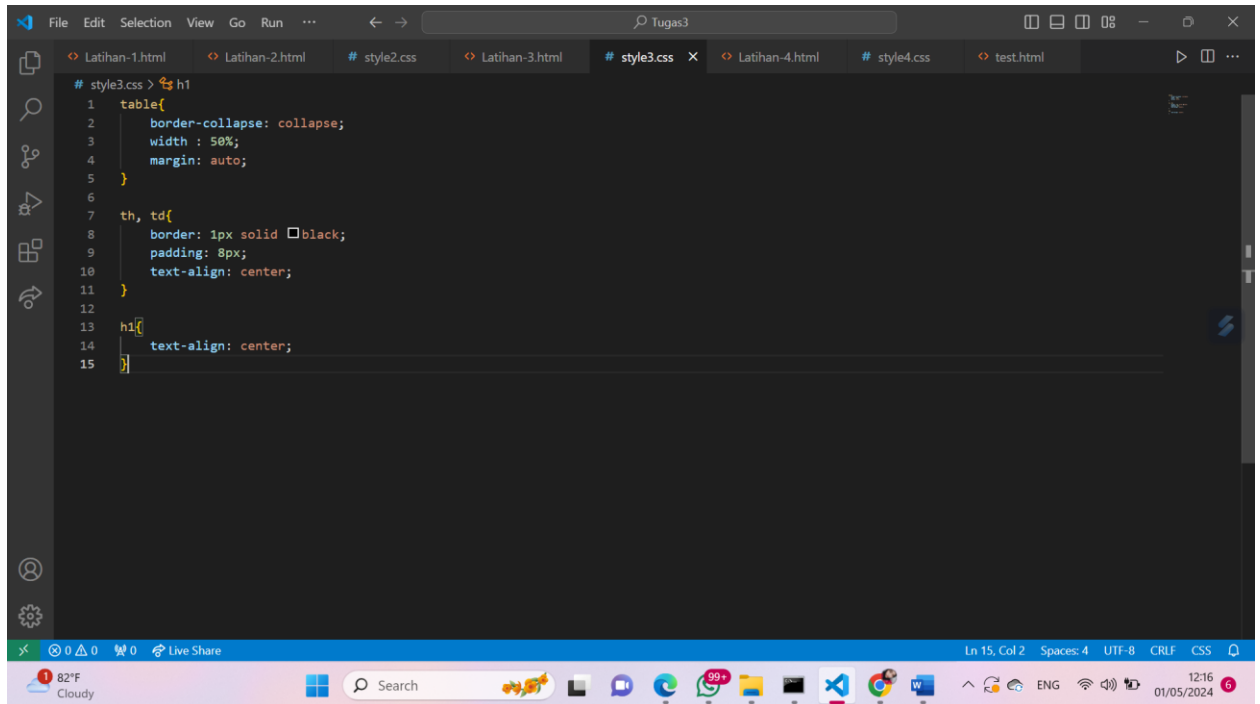
3. Latihan-3

Source Code dan JavaScript:

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html Latihan-2.html # style2.css Latihan-3.html X # style3.css Latihan-4.html # style4.css test.html
Latihan-3.html > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Menghitung Faktorial dan Deret</title>
7 <link rel="stylesheet" href="style3.css">
8 </head>
9 <body>
10 <script>
11     function hitungFaktorial(n) {
12         if (n == 0 || n == 1) {
13             return 1;
14         } else {
15             var hasil = 1;
16             for (var i = 2; i <= n; i++) {
17                 hasil *= i;
18             }
19             return hasil;
20         }
21     }
22
23     function hitungDeret(n) {
24         var jumlah = 0;
25         for (var i = 1; i <= n; i++) {
26             jumlah += i;
27         }
28         return jumlah;
29     }
30 </script>
Ln 46, Col 5 Spaces: 4 UTF-8 CR LF HTML
82°F Cloudy Search 12:15 01/05/2024
```

```
File Edit Selection View Go Run ... Tugas3
Latihan-1.html Latihan-2.html # style2.css Latihan-3.html X # style3.css Latihan-4.html # style4.css test.html
Latihan-3.html > html > body
2 <html lang="en">
9 <body>
10 <script>
30
31 function hitung() {
32     var n = parseInt(document.getElementById("number").value);
33     var hasilFaktorial = hitungFaktorial(n);
34     var hasilDeret = hitungDeret(n);
35
36     document.getElementById("hasilFaktorial").innerText = hasilFaktorial;
37     document.getElementById("hasilDeret").innerText = hasilDeret;
38 }
39
40 function reset() {
41     document.getElementById("number").value = "";
42     document.getElementById("hasilFaktorial").innerText = "";
43     document.getElementById("hasilDeret").innerText = "";
44 }
45 </script>
46
47 <h1><b>PERHITUNGAN FAKTORIAL dan DERET</b></h1>
48 <table>
49 <tr>
50 <th colspan="2">Masukkan N</th>
51 </tr>
52 <tr>
53 <td colspan="2"><input type="number" id="number" size="10" name="n"></td>
54 </tr>
55 <tr>
56 <td colspan="2">
57 <td colspan="2">
58 <button onclick="hitung()">Hitung</button>
59 <button onclick="reset()">Reset</button>
60 </td>
61 </tr>
62 <tr>
63 <th>Faktorial</th>
64 <th>Jumlah Deret</th>
65 </tr>
66 <tr>
67 <td id="hasilFaktorial"></td>
68 <td id="hasilDeret"></td>
69 </tr>
70 </table>
71 </body>
72 </html>
```

CSS:



The screenshot shows the Visual Studio Code editor with a file named `style3.css` open. The code defines styles for a table and an h1 element. The table has a collapsed border, 50% width, and auto margin. Table cells have a 1px solid black border, 8px padding, and are centered. The h1 is also centered.

```
# style3.css > h1
1  table{
2      border-collapse: collapse;
3      width : 50%;
4      margin: auto;
5  }
6
7  th, td{
8      border: 1px solid black;
9      padding: 8px;
10     text-align: center;
11 }
12
13 h1{
14     text-align: center;
15 }
```

Output HTMLnya:



The screenshot shows a web browser displaying the output of the HTML and CSS code. The page title is "PERHITUNGAN FAKTORIAL dan DERET". It features a form with a label "Masukkan N" and an input field containing the value "10". Below the input field are two buttons: "Hitung" and "Reset". The results are displayed in a table with two columns: "Faktorial" and "Jumlah Deret". The value for Faktorial is 3628800 and for Jumlah Deret is 55.

Masukkan N	
<input type="text" value="10"/>	
<input type="button" value="Hitung"/> <input type="button" value="Reset"/>	
Faktorial	Jumlah Deret
3628800	55

4. Latihan-4

Source Code dan Javascript:

```
File Edit Selection View Go Run ... Tugas3
Labihan-1.html Labihan-2.html # style2.css Labihan-3.html # style3.css Labihan-4.html x # style4.css test.html
Labihan-4.html > html > body > script > hitung
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Kalkulator Tabungan</title>
7 <link rel="stylesheet" href="style4.css">
8 </head>
9 <body>
10 <script>
11     function hitung() {
12         var saldoAwal = parseFloat(document.getElementById("saldo").value);
13         var bunga = parseFloat(document.getElementById("bunga").value);
14         var waktu = parseInt(document.getElementById("waktu").value);
15         var hasil = document.getElementById("hasil");
16         var saldo = saldoAwal;
17
18         hasil.innerHTML = ""; // Bersihkan hasil sebelumnya
19
20         for (var i = 1; i <= waktu; i++) {
21             saldo += saldo * (bunga / 100);
22             hasil.innerHTML += "Saldo Bulan " + i + " = Rp. " + saldo.toFixed(2) + "<br>";
23         }
24     }
25 </script>
26
27 <h2>Kalkulator Tabungan</h2>
28
29
30 <label for="saldo">Saldo Awal:</label>
31 <input type="number" id="saldo" value="100000"><br><br>
32
33 <label for="bunga">Bunga (%):</label>
34 <input type="number" id="bunga" value="10"><br><br>
35
36 <label for="waktu">Jangka Waktu (bulan):</label>
37 <input type="number" id="waktu" value="3"><br><br>
38
39 <button onclick="hitung()">Hitung</button><br><br>
40
41 <div id="hasil"></div>
42 </body>
43 </html>
```

CSS:

```
File Edit Selection View Go Run ... Tugas3
Labihan-1.html Labihan-2.html # style2.css Labihan-3.html # style3.css x Labihan-4.html # style4.css test.html
# style3.css > ...
1 body {
2     font-family: Arial, sans-serif;
3     max-width: 600px;
4     margin: 0 auto;
5     padding: 20px;
6 }
7
8 h2 {
9     text-align: center;
10    margin-bottom: 30px;
11 }
12
13 label {
14     display: block;
15     margin-bottom: 5px;
16 }
17
18 input[type="number"] {
19     width: 100%;
20     padding: 5px;
21     margin-bottom: 20px;
22 }
23
24 button {
25     background-color: #4CAF50;
26     color: white;
27     padding: 10px 20px;
28     border: none;
29     cursor: pointer;
```

```
29     cursor: pointer;
30     margin-bottom: 20px;
31 }
32
33 #hasil {
34     border: 1px solid #ccc;
35     padding: 10px;
36     background-color: #f9f9f9;
37 }
38
```

Output HTMLnya:

The screenshot shows a web browser window with the title "Kalkulator Tabungan". The browser's address bar shows the file path: `E:/MATKUL%20SEMESTER%204%20Teknologi%20Informasi/Pemrograman%20Web/Laboratorium/Tugas3/Latihan-4.ht...`. The page content includes three input fields with labels: "Saldo Awal:" (100000), "Bunga (%):" (10), and "Jangka Waktu (bulan):" (3). Below these is a green "Hitung" button. At the bottom, a light gray box displays the results: "Saldo Bulan 1 = Rp. 110000.00", "Saldo Bulan 2 = Rp. 121000.00", and "Saldo Bulan 3 = Rp. 133100.00". The Windows taskbar at the bottom shows the date as 01/05/2024 and the time as 11:51.

Kalkulator Tabungan

Saldo Awal:

Bunga (%):

Jangka Waktu (bulan):

Saldo Bulan 1 = Rp. 110000.00
Saldo Bulan 2 = Rp. 121000.00
Saldo Bulan 3 = Rp. 133100.00