

Laporan Modul 8 – Bahasa PHP dan MySQL

Link GitHub (source code):

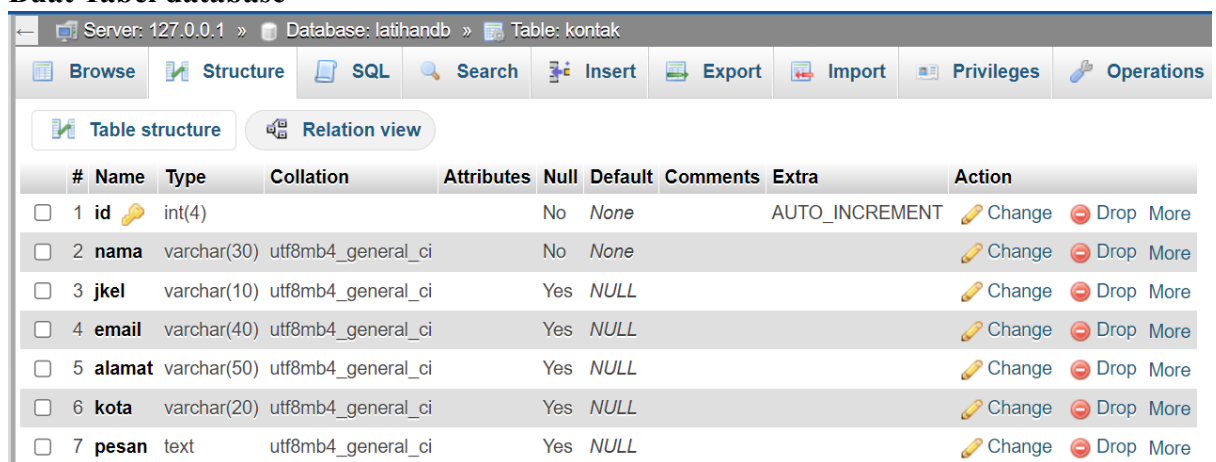
https://github.com/xandwell/almas-175/tree/main/modul_8

Keterangan: Laporan ini akan menyertakan output, juga sebagian dari source code.

Source code lengkap beserta komentar penjelasannya dapat diakses di GitHub (link di atas ini).

Praktikum

- **Buat Tabel database**

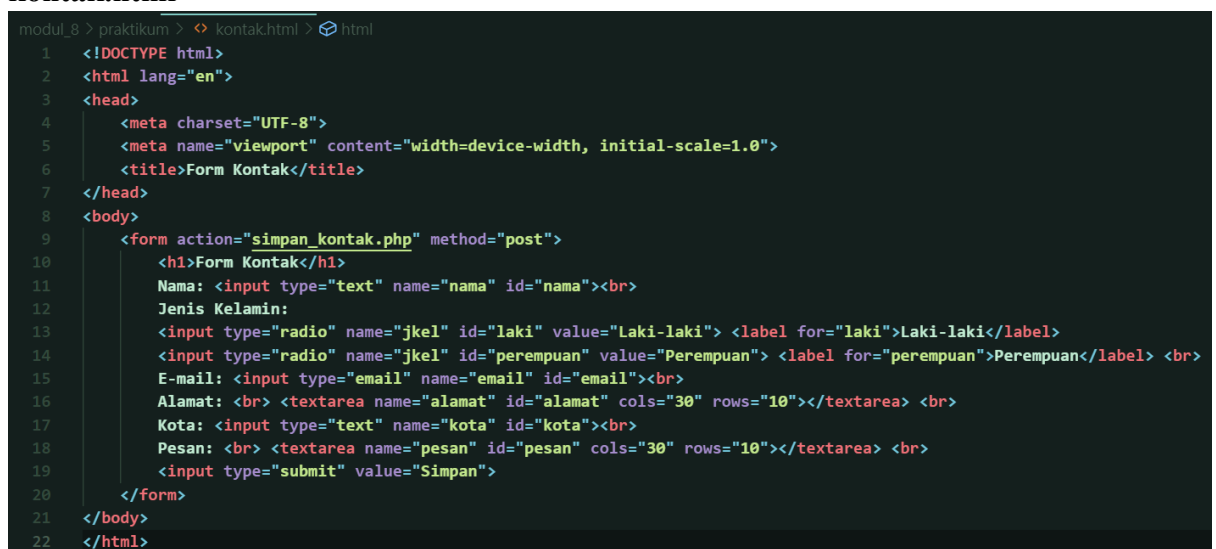


The screenshot shows the MySQL Table Structure for a table named 'kontak' in a database named 'latihandb'. The table has 7 columns: id, nama, jkel, email, alamat, kota, and pesan. The 'id' column is an integer (4) with AUTO_INCREMENT. The other columns are VARCHAR or TEXT with various collations and NULL values. The 'Action' column provides links to Change, Drop, and More options for each column.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(4)			No	None		AUTO_INCREMENT	Change Drop More
2	nama	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
3	jkel	varchar(10)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	email	varchar(40)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	alamat	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
6	kota	varchar(20)	utf8mb4_general_ci		Yes	NULL			Change Drop More
7	pesan	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

- **Buat file `simpan_kontak.php`, dan pastikan berada di direktori yang sama dengan file `kontak.html`. Isi `simpan_kontak.php` digunakan untuk mengambil dan menyimpan isi form `kontak.php` ke database.**

kontak.html



The screenshot shows the source code of the 'kontak.html' file. It is an HTML form with a title 'Form Kontak'. The form has fields for Nama, Jenis Kelamin (radio buttons for laki and perempuan), E-mail, Alamat, Kota, and Pesan. The form action is 'simpan_kontak.php' and the method is 'post'.

```
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 Kontak</title>
7 </head>
8 <body>
9   <form action="simpan_kontak.php" method="post">
10    <h1>Form Kontak</h1>
11    Nama: <input type="text" name="nama" id="nama"><br>
12    Jenis Kelamin:
13    <input type="radio" name="jkel" id="laki" value="Laki-laki"> <label for="laki">Laki-laki</label>
14    <input type="radio" name="jkel" id="perempuan" value="Perempuan"> <label for="perempuan">Perempuan</label> <br>
15    E-mail: <input type="email" name="email" id="email"><br>
16    Alamat: <br> <textarea name="alamat" id="alamat" cols="30" rows="10"></textarea> <br>
17    Kota: <input type="text" name="kota" id="kota"><br>
18    Pesan: <br> <textarea name="pesan" id="pesan" cols="30" rows="10"></textarea> <br>
19    <input type="submit" value="Simpan">
20  </form>
21 </body>
22 </html>
```

simpan_kontak.php

```
modul_8 > praktikum > simpan_kontak.php
1  <?php
2  include 'admin/koneksi.inc.php';
3  //memindahkan nilai data form ke variabel sederhana agar mudah ditulis
4  $vnama=$_POST['nama'];
5  if(isset($_POST['jkel']))
6  {
7      /*other variables*/
8      $vjkel = $_POST['jkel'];
9  }
10 $vemail=$_POST['email'];
11 $valamat=$_POST['alamat'];
12 $vkota=$_POST['kota'];
13 $vpesan=$_POST['pesan'];
14 $sql="insert into kontak set nama='$vnama',
15     jkel='$vjkel',
16     email='$vemail',
17     alamat='$valamat',
18     kota='$vkota',
19     pesan='$vpesan'";
20 mysqli_query($conn, $sql) or die("Proses simpan ke database gagal");
21 mysqli_close($conn);
22 header("location:kontak.html");
23 ?>
```

- Di direktori yang sama, buat folder bernama admin, dan di dalamnya kita buat 2 file yaitu cetak.php dan koneksi.inc.php. Cetak.php digunakan untuk mencetak isi tabel database, yang berisi inputan kontak.html. koneksi.inc.php berperan sebagai file penyimpan variabel \$conn, yang diinclude pada file-file lain yang membutuhkan koneksi database.

cetak.php

```
modul_8 > praktikum > admin > cetak.php
1  <?php
2  include "koneksi.inc.php";
3  $sql="select * from kontak order by nama;";
4  $qry=mysqli_query($conn, $sql) or die("Proses cetak gagal");
5  echo "<table width='75%' cellpadding='2' cellspacing='0' border='1'>
6  <tr>
7  <th>No</th>
8  <th>Nama</th>
9  <th>Jenis Kelamin</th>
10 <th>Email</th>
11 <th>Alamat</th>
12 <th>Kota</th>
13 <th>Pesan</th>";
14 // $no=1;
15 while($hasil=mysqli_fetch_row($qry)){
16     echo "<tr>
17     <td>$hasil[0]</td>
18     <td>$hasil[1]</td>
19     <td>$hasil[2]</td>
20     <td>$hasil[3]</td>
21     <td>$hasil[4]</td>
22     <td>$hasil[5]</td>
23     <td>$hasil[6]</td>
24     </tr>";
25     // $no++;
26 }
27 echo "</table>";
28 ?>
29 <a href=" ../kontak.html">Kembali</a>
```

koneksi.inc.php

```
modul_8 > praktikum > admin > koneksi.inc.php
1  <?php
2  $host="localhost";
3  $username="root";
4  $password="";
5  $conn = mysqli_connect($host, $username, $password) or die("Koneksi gagal dibangun");
6  mysqli_select_db($conn, "latihandb") or die("Database tidak dapat dibuka");
7  ?>
```

Output:

kontak.html

Form Kontak

Nama:

Jenis Kelamin: ☒ Laki-laki ☐ Perempuan

E-mail:

Alamat:

Kota:

Pesan:

cetak.php

localhost/modul_8/praktikum/admin/cetak.php

No	Nama	Jenis Kelamin	Email	Alamat	Kota	Pesan
3	abc	Laki-laki	asjdkfjsak@sss.com	safsadf	asdfsaf	asdfsafasf
1	Alexander Almas	Laki-laki	almas@usd.ac.id	Lampung, Indonesia	Liwa	Lorem ipsum dolor sit amet consectetur adipisicing elit. Facilis ullam, quae sapiente dolorem blanditiis exercitationem nemo corrupti fugiat esse temporibus amet accusamus fugit voluptatum optio accusantium dolores recusandae ducimus perspiciatis?
4	Almas	Laki-laki	almas@usd	jogja	jogja	halo bang
2	Budi	Laki-laki	budi@usaha.com	Jakarta	Jakarta	Lorem gak nih?

[Kembali](#)

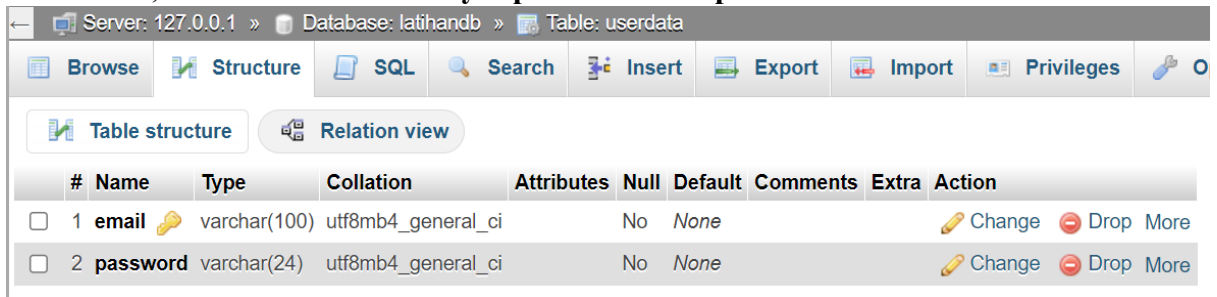
Latihan

- Ambil source code form login dari internet.
Sumber: <https://codepen.io/fghty/pen/PojKNEG>
- Setelah saya modifikasi sedikit untuk menyesuaikan, ubah nama file formnya menjadi index.php. Simpan di dalam direktori admin.

```
modul_8 > praktikum > admin > index.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <!-- Design by foolishdeveloper.com -->
5      <title>Login Form</title>
6
7      <link rel="preconnect" href="https://fonts.gstatic.com">
8      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@5.15.4/css/all.min.css">
9      <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;500;600&display=swap" rel="stylesheet">
10
11      <!-- Stylesheet -->
12      <style media="screen">
13          *,
14          *:before,
15          *:after{
16              padding: 0;
17              margin: 0;
18              box-sizing: border-box;
19          }
20          body{
21              background-color: #080710;
22          }
23          .background{
24              width: 430px;
25              height: 520px;
26              position: absolute;
27              transform: translate(-50%, -50%);
28              left: 50%;
29              top: 50%;
30          }
31          .background .shape{
32              height: 200px;
33              width: 200px;
34              position: absolute;
35              border-radius: 50%;
36          }
37          .shape:first-child{
38              background: linear-gradient(
39                  #1845ad,
40                  #23a2f6
41              );
42              left: -80px;
43              top: -80px;
44          }
45          .shape:last-child{
46              background: linear-gradient(
47                  to right,
48                  #ff512f,
49                  #f09819
50              );
51              right: -30px;
52              bottom: -80px;
53          }
54          form{
55              height: 520px;
56              width: 400px;
57              background-color: rgba(255,255,255,0.13);
58              position: absolute;
59              transform: translate(-50%, -50%);
60              top: 50%;
61              left: 50%;
```

```
62     border-radius: 10px;
63     backdrop-filter: blur(10px);
64     border: 2px solid rgba(255,255,255,0.1);
65     box-shadow: 0 0 40px rgba(8,7,16,0.6);
66     padding: 50px 35px;
67 }
68 form *{
69     font-family: 'Poppins',sans-serif;
70     color: #ffffff;
71     letter-spacing: 0.5px;
72     outline: none;
73     border: none;
74 }
75 form h3{
76     font-size: 32px;
77     font-weight: 500;
78     line-height: 42px;
79     text-align: center;
80 }
81
82 label{
83     display: block;
84     margin-top: 30px;
85     font-size: 16px;
86     font-weight: 500;
87 }
88 input{
89     display: block;
90     height: 50px;
91     width: 100%;
92
93     background-color: rgba(255,255,255,0.07);
94     border-radius: 3px;
95     padding: 0 10px;
96     margin-top: 8px;
97     font-size: 14px;
98     font-weight: 300;
99 }
100 ::placeholder{
101     color: #e5e5e5;
102 }
103
104 #login {
105     margin-top: 50px;
106     width: 100%;
107     background-color: #ffffff;
108     color: #080710;
109     padding: 15px 0;
110     font-size: 18px;
111     font-weight: 600;
112     border-radius: 5px;
113     cursor: pointer;
114 }
115
116 </style>
117 </head>
118 <body>
119     <div class="background">
120         <div class="shape"></div>
121         <div class="shape"></div>
122     </div>
123     <form method="POST" action="verifikasi.php">
124         <h3>Form Login</h3>
125
126         <label for="username">Email</label>
127         <input type="email" name="email" placeholder="contoh@email.com" id="username">
128
129         <label for="password">Password</label>
130         <input type="password" name="password" placeholder="password" id="password">
131
132         <input type="submit" value="Log In" id="login">
133     </form>
134 </body>
135 </html>
```

- Setelah itu, buat tabel untuk menyimpan email dan password.



The screenshot shows a database management interface with the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	email	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
2	password	varchar(24)	utf8mb4_general_ci		No	None			Change Drop More

- Saya membuat file php tambahan untuk cek username/password saat login, yaitu verifikasi.php. File ini digunakan sebagai action pada form di index.php.

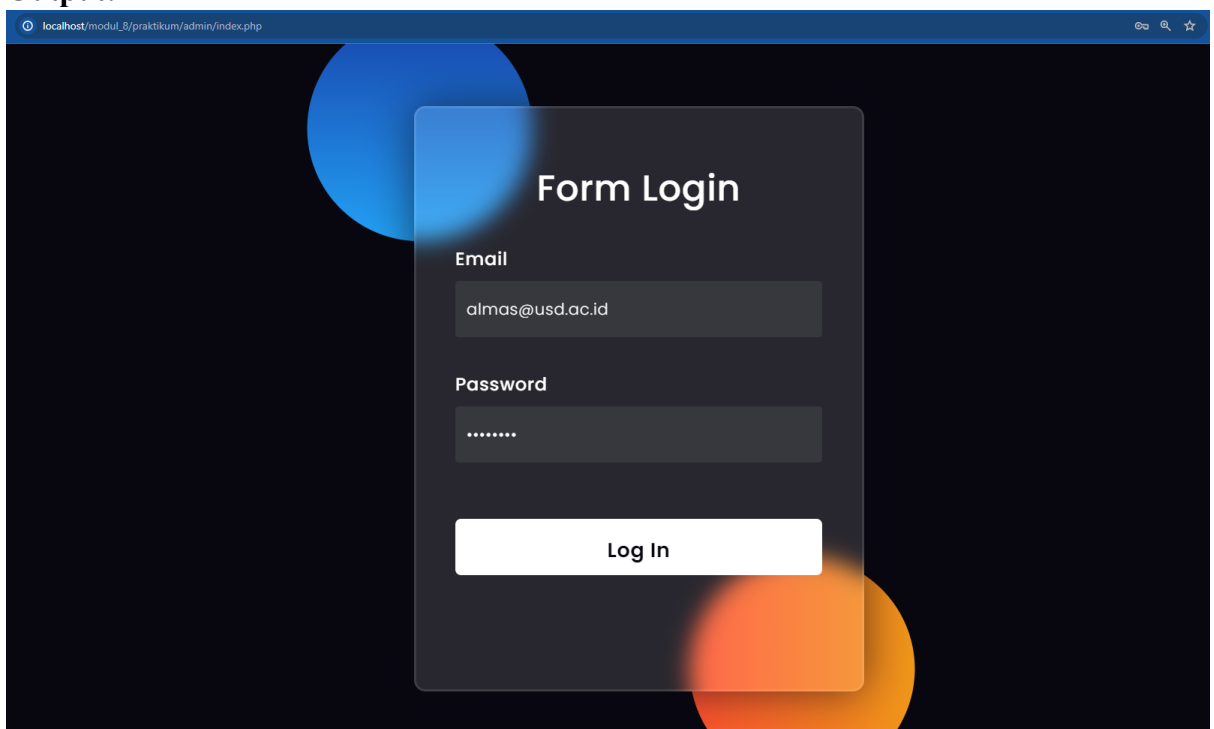
```
modul_8 > praktikum > admin > verifikasi.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Verifikasi</title>
5      <style>
6          html, body {
7              height: 100%;
8              margin: 0;
9              display: flex;
10             justify-content: center;
11             align-items: center;
12         }
13     </style>
14 </head>
15 <body>
16 <?php
17     include 'koneksi.inc.php';
18     session_start();
19
20     // Check if the form is submitted
21     if ($_SERVER["REQUEST_METHOD"] == "POST") {
22         // Validate username and password
23         $input_email = $_POST["email"];
24         $input_password = $_POST["password"];
25
26         // Prepare SQL statement to fetch user details
27         $sql = "SELECT * FROM userdata WHERE email = ?";
28         $stmt = $conn->prepare($sql);
29         $stmt->bind_param("s", $input_email);
30         $stmt->execute();
31         $result = $stmt->get_result();
```

```
32
33 // Check if user exists
34 if ($result->num_rows == 1) {
35     // Fetch user details
36     $user = $result->fetch_assoc();
37
38     // Verify password
39     if ($input_password === $user['password']) {
40         // Authentication successful, create session
41         $_SESSION["authenticated"] = true;
42         echo "<h1>Login berhasil!</h1>";
43         header("Refresh: 1; URL='cetak.php'"); // Redirect to protected page
44         exit();
45     } else {
46         echo "<h1>Invalid email atau password <br> Kembali dalam 2 detik.</h1> ";
47         header("Refresh: 2; URL='index.php'");
48     }
49 } else {
50     echo "<h1>Invalid email atau password <br> Kembali dalam 2 detik.</h1> ";
51     header("Refresh: 2; URL='index.php'");
52 }
53
54 // Close database connection
55 $stmt->close();
56 $conn->close();
57 }
58 ?>
59 </body>
60 </html>
```

Intinya, email terlebih dahulu dicari di database, setelah ditemukan maka cek passwordnya, dan jika password sesuai dengan di database maka akan ada pesan sukses login, dan setelah satu detik otomatis redirect ke file cetak.php.

Jika password atau email tidak sesuai dengan di database, maka ada pesan gagal login, setelah itu redirect ke form login kembali dalam 2 detik.

Output:



The screenshot shows a web browser window with the address bar displaying 'localhost/modul8/praktikum/admin/index.php'. The main content area features a dark blue background with large, semi-transparent blue and orange circles. In the center, there is a white rectangular box titled 'Form Login'. Inside this box, there are two input fields: 'Email' with the text 'almas@usd.ac.id' and 'Password' with masked characters '.....'. Below these fields is a white button labeled 'Log In'.

Login berhasil!

No	Nama	Jenis Kelamin	Email	Alamat	Kota	Pesan
3	abc	Laki-laki	asjdkfjksak@sss.com	safsadf	asdfasf	asdfsafasf
1	Alexander Almas	Laki-laki	almas@usd.ac.id	Lampung, Indonesia	Liwa	Lorem ipsum dolor sit amet consectetur adipisicing elit. Facilis ullam, quae sapiente dolorem blanditiis exercitationem nemo corrupti fugiat esse temporibus amet accusamus fugit voluptatum optio accusantium dolores recusandae ducimus perspiciatis?
4	Almas	Laki-laki	almas@usd	jogja	jogja	halo bang
2	Budi	Laki-laki	budi@usaha.com	Jakarta	Jakarta	Lorem gak nih?

[Kembali](#)

Jika gagal:

**Invalid email atau password
Kembali dalam 2 detik..**

The image shows a login form titled "Form Login" on a dark background with blue and orange bokeh effects. The form has two input fields: "Email" with the placeholder text "contoh@email.com" and "Password" with the placeholder text "password". Below the fields is a white button labeled "Log In".