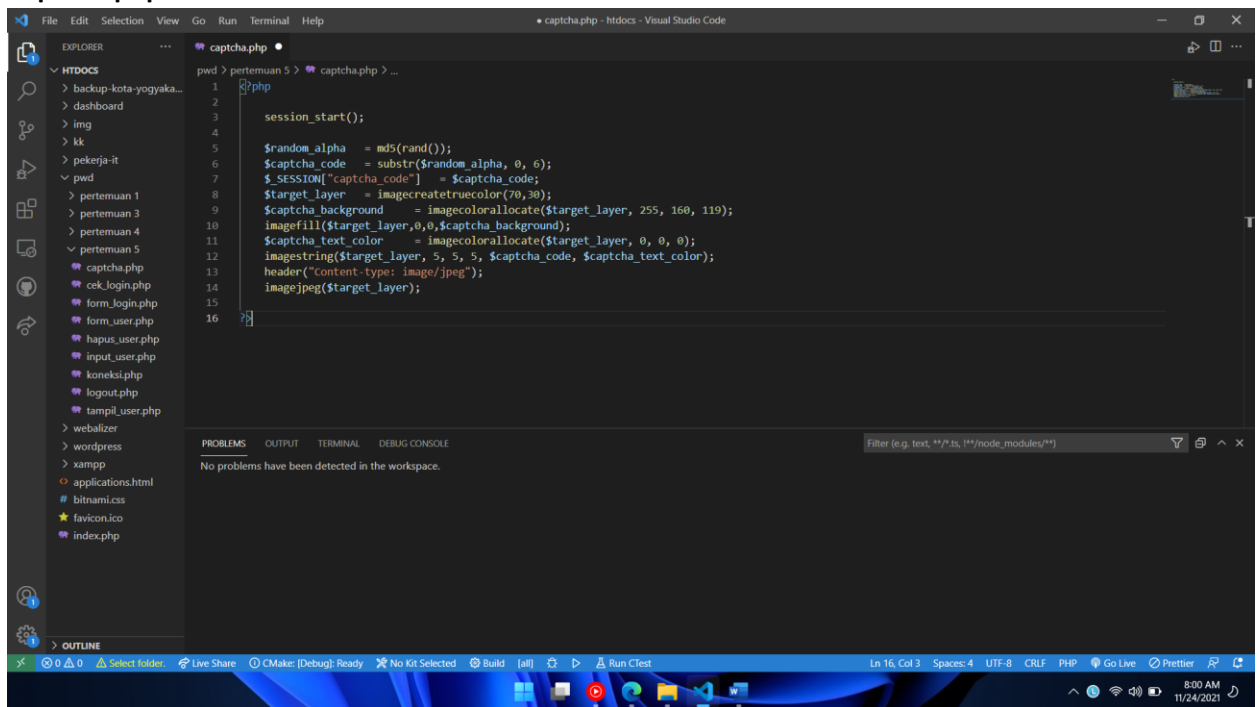


Nama : Yoga Aditama

NIM : 1900018009

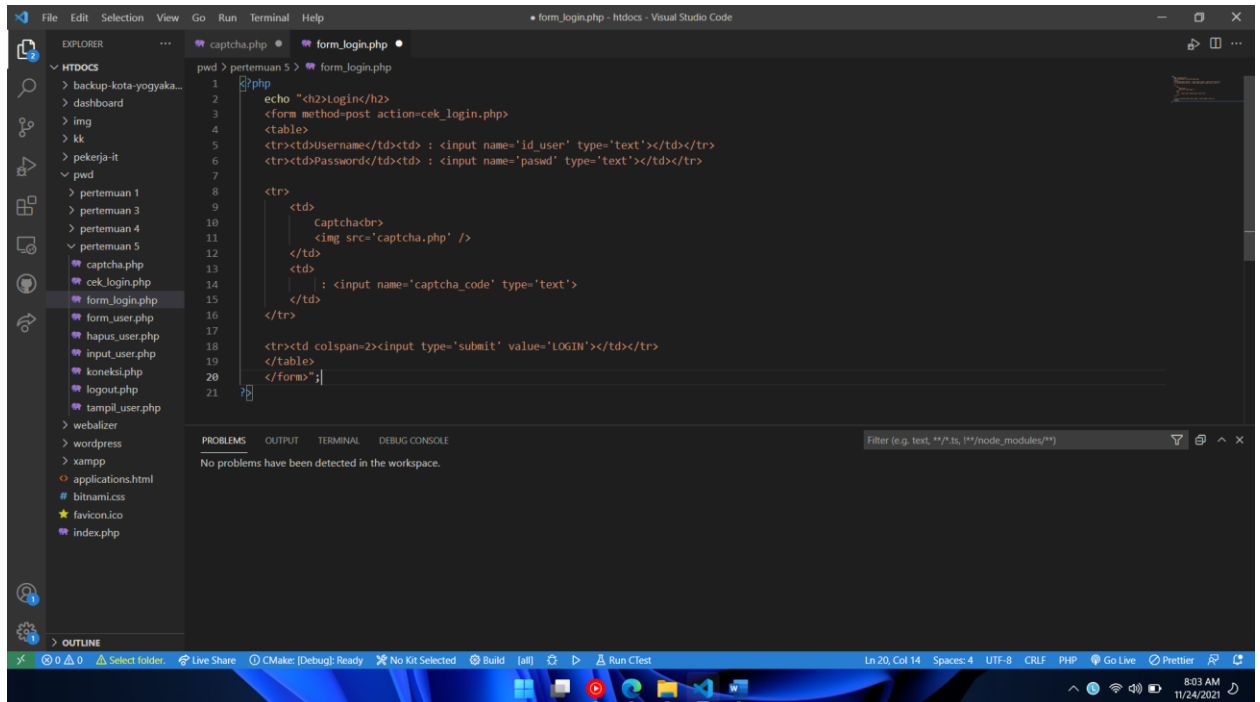
PWD 07.30 Pertemuan 6

1. Selesaikan langkah praktikum membuat file captcha.php sebagai salah satu bentuk autentikasi  
**Captcha.php**



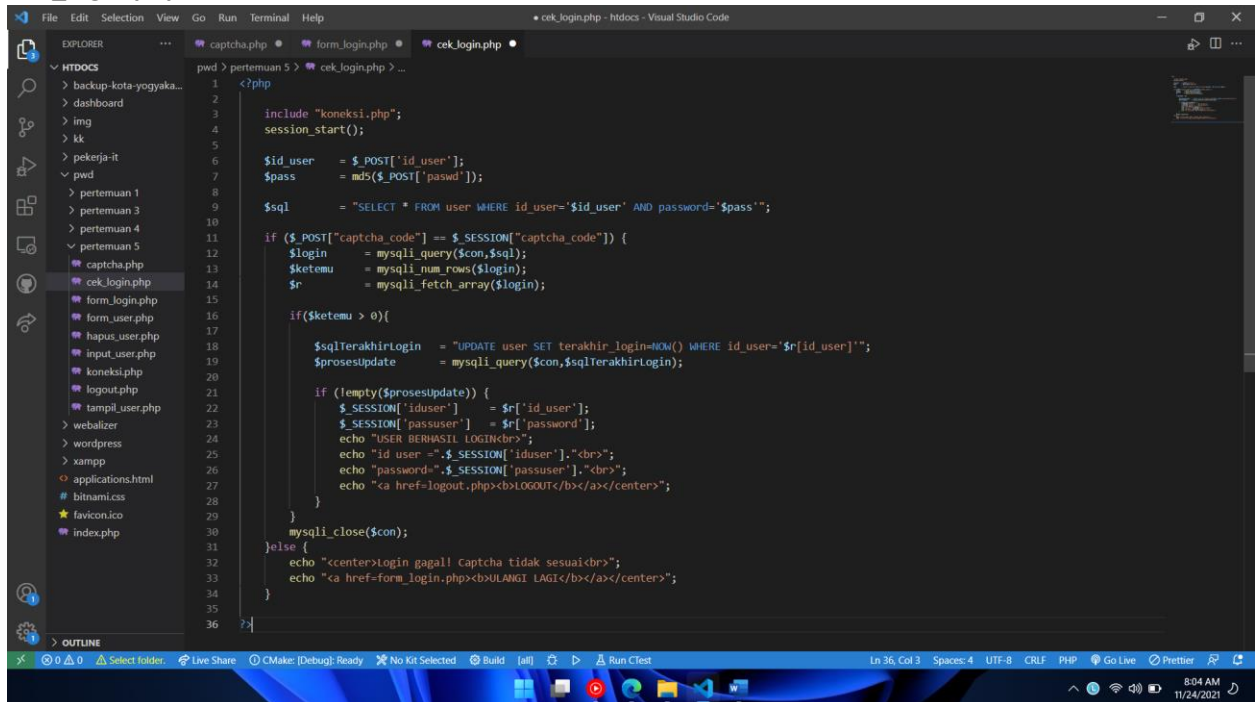
```
1 <?php
2
3 session_start();
4
5 $random_alpha = md5(rand());
6 $captcha_code = substr($random_alpha, 0, 6);
7 $_SESSION["captcha_code"] = $captcha_code;
8 $target_layer = imagecreatetruecolor(70,30);
9 $captcha_background = imagecolorallocate($target_layer, 255, 160, 119);
10 imagefill($target_layer,0,0,$captcha_background);
11 $captcha_text_color = imagecolorallocate($target_layer, 0, 0, 0);
12 imagestring($target_layer, 5, 5, 5, $captcha_code, $captcha_text_color);
13 header("Content-type: image/jpeg");
14 imagejpeg($target_layer);
15
16
```

## Form\_login.php



```
1 <?php
2 echo "<h2>Login</h2>";
3 <form method="post" action="cek_login.php">
4 <table>
5 <tr><td>Username</td><td>: <input name="id_user" type="text"></td></tr>
6 <tr><td>Password</td><td>: <input name="paswd" type="text"></td></tr>
7
8 <tr>
9 <td>
10 <div>
11 
12 </div>
13 <td>
14 : <input name="captcha_code" type="text">
15 </td>
16 </tr>
17
18 <tr><td colspan=2><input type="submit" value="LOGIN"></td></tr>
19 </table>
20 </form>";
21
```

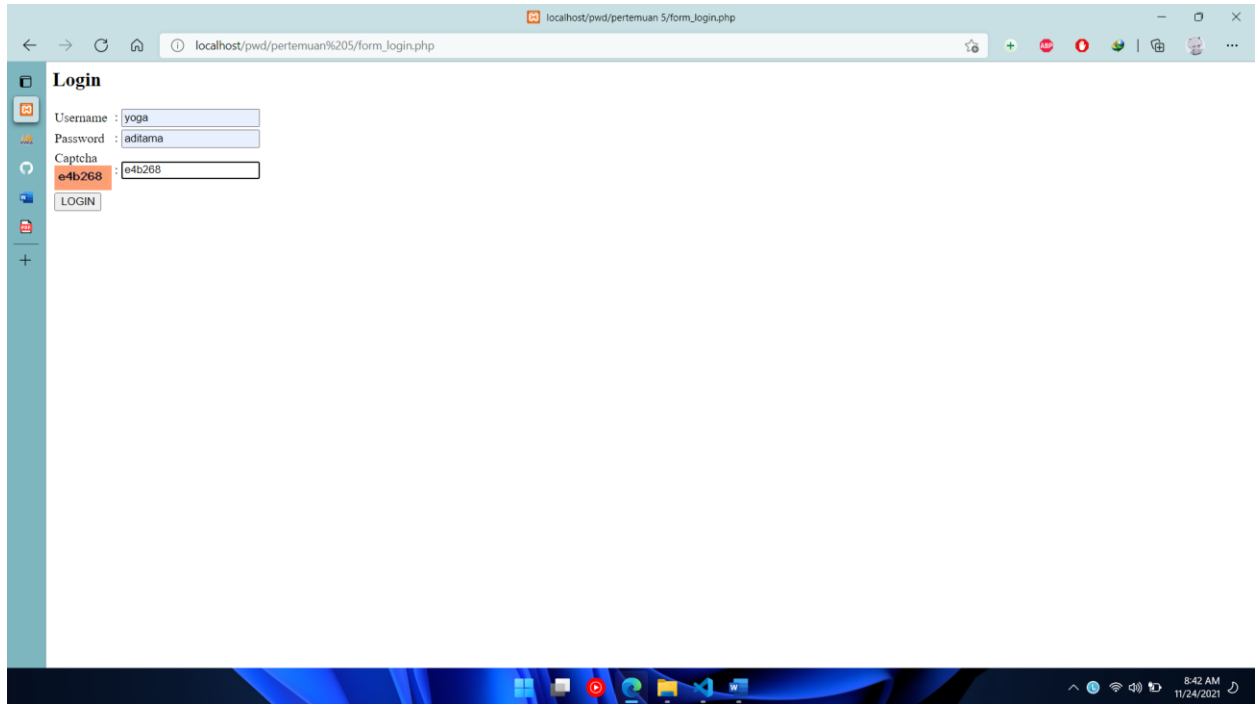
## Cek\_login.php



```
1 <?php
2 include "koneksi.php";
3 session_start();
4
5 $id_user = $_POST['id_user'];
6 $pass = md5($_POST['paswd']);
7
8 $sql = "SELECT * FROM user WHERE id_user='$id_user' AND password='$pass'";
9
10 if ($_POST["captcha_code"] == $_SESSION["captcha_code"]) {
11 $login = mysqli_query($con,$sql);
12 $ketemu = mysqli_num_rows($login);
13 $r = mysqli_fetch_array($login);
14
15 if ($ketemu > 0) {
16 $sqlterakhirlogin = "UPDATE user SET terakhir_login=NOW() WHERE id_user='$r[id_user]'";
17 $prosesupdate = mysqli_query($con,$sqlterakhirlogin);
18
19 if (empty($prosesupdate)) {
20 $SESSION['iduser'] = $r['id_user'];
21 $SESSION['passuser'] = $r['password'];
22 echo "USER BERHASIL LOGIN<br>";
23 echo "id user = ".$SESSION['iduser']. "<br>";
24 echo "password = ".$SESSION['passuser']. "<br>";
25 echo "<a href=logout.php>LOGOUT</a></center>";
26 }
27 }
28
29 $ketemu > 0;
30
31 } else {
32 echo "<center>login gagal! Captcha tidak sesuai<br>";
33 echo "<a href=form_login.php>ULANGI LAGI</a></center>";
34 }
35
36
```

2. Selesaikan langkah praktikum modifikasi dokumen pertemuan 5 menggunakan kode captcha untuk keamanan

### Form\_login.php

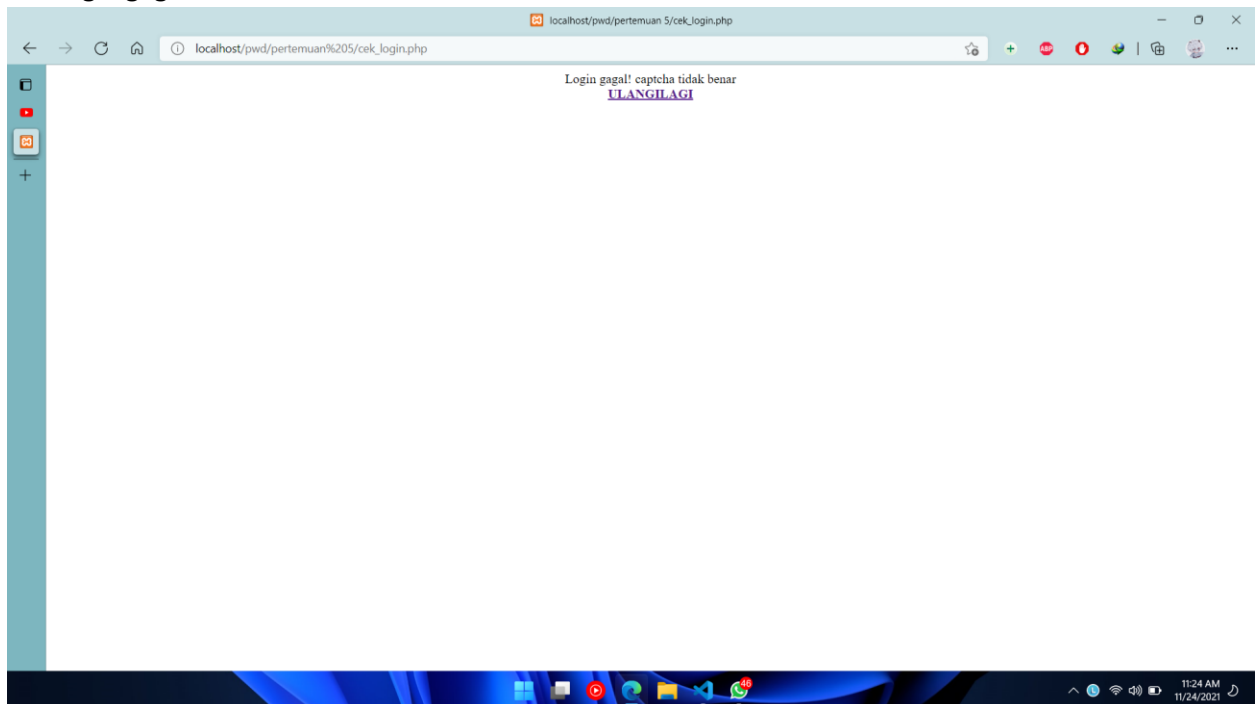


The screenshot shows a web browser window with the address bar displaying `localhost/pwd/pertemuan%205/form_login.php`. The page content is a login form with the following fields and elements:

- Username :**
- Password :**
- Captcha :**  (The captcha image shows the text "e4b268")
- LOGIN** button

The browser's taskbar at the bottom shows the time as 8:42 AM on 11/24/2021.

### Jika login gagal



The screenshot shows the same web browser window, but the address bar now displays `localhost/pwd/pertemuan%205/cek_login.php`. The page content displays a message indicating a failed login attempt:

Login gagal! captcha tidak benar  
[ULANGILAGI](#)

The browser's taskbar at the bottom shows the time as 11:24 AM on 11/24/2021.

## Jika login berhasil

