

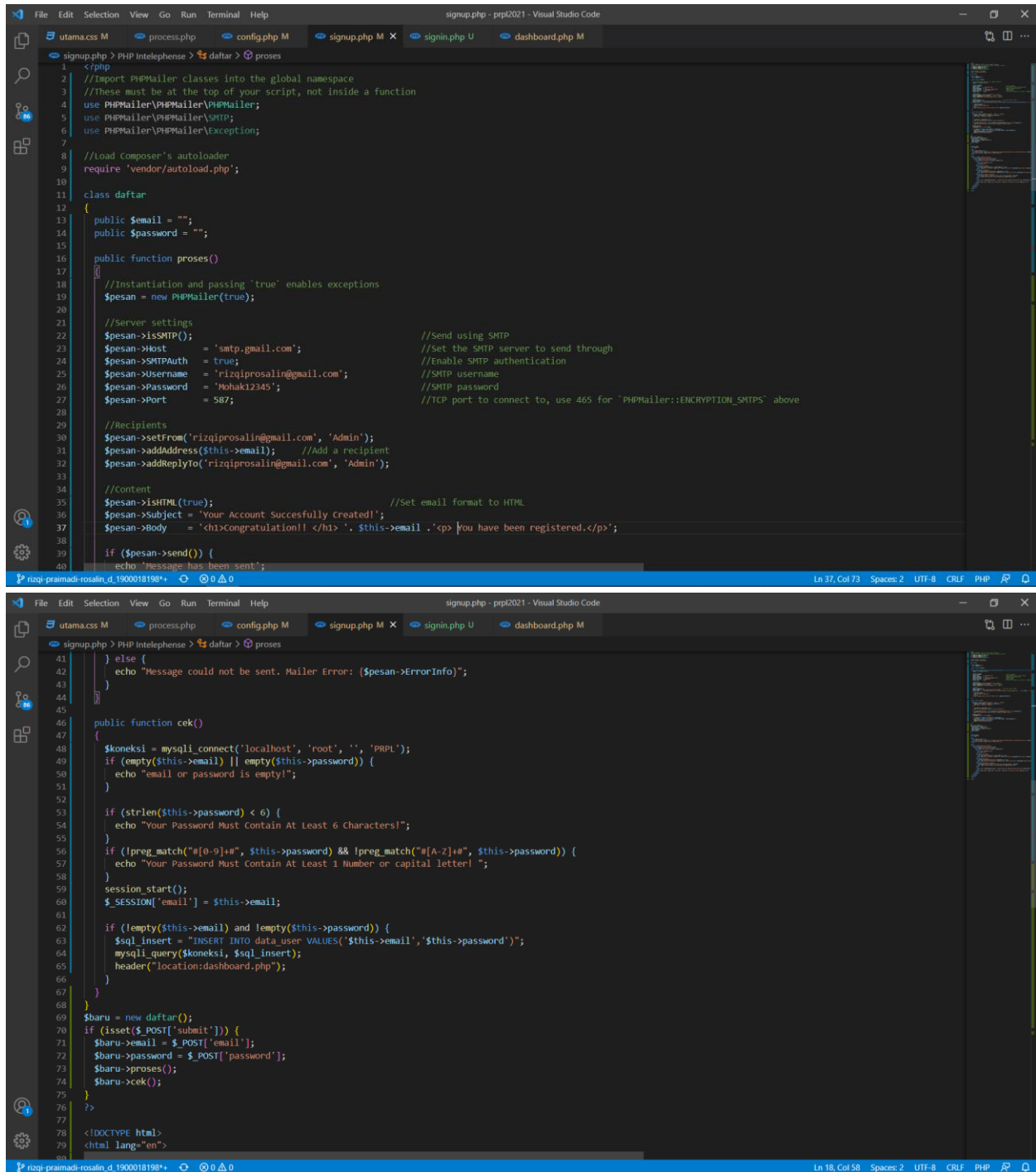
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NIM : 1900018198  
Kelas : D

**Ujian Tengah Semester  
PRPL**

1. Program merupakan serangkaian instruksi yang ditulis untuk melakukan suatu tindakan atau fungsi pada komputer, sedangkan software merupakan program dan informasi operasional yang digunakan oleh komputer dan software terdiri lebih dari satu program, jadi software membutuhkan program agar terciptanya sebuah software.
2. Software Engineering merupakan suatu pekerjaan yang bertugas untuk melakukan analisa, membuat rekayasa, menyusun spesifikasi, mengimplementasikan dan memvalidasi suatu rancangan sistem perangkat lunak untuk menjawab suatu permasalahan. Suatu perusahaan akan memutuskan untuk membuat software pada saat perusahaan tersebut sudah siap untuk membuatnya, menjaganya, dan memeliharanya, karena butuh persiapan dan proses yang banyak untuk membuat suatu software sehingga harus memaksimalkannya.
3. Perintah – perintah utama Git :
  - git commit -m "UTS-PRPL-1900018198"
  - git push -u origin rizqipraimadirosalin\_D\_1900018198
  - git push origin master
  - git config –global [user.rizqi\\_rosalin@yahoo.co.id](mailto:user.rizqi_rosalin@yahoo.co.id)
  - git add (nama file)

## 5. Analisis

(signup.php)

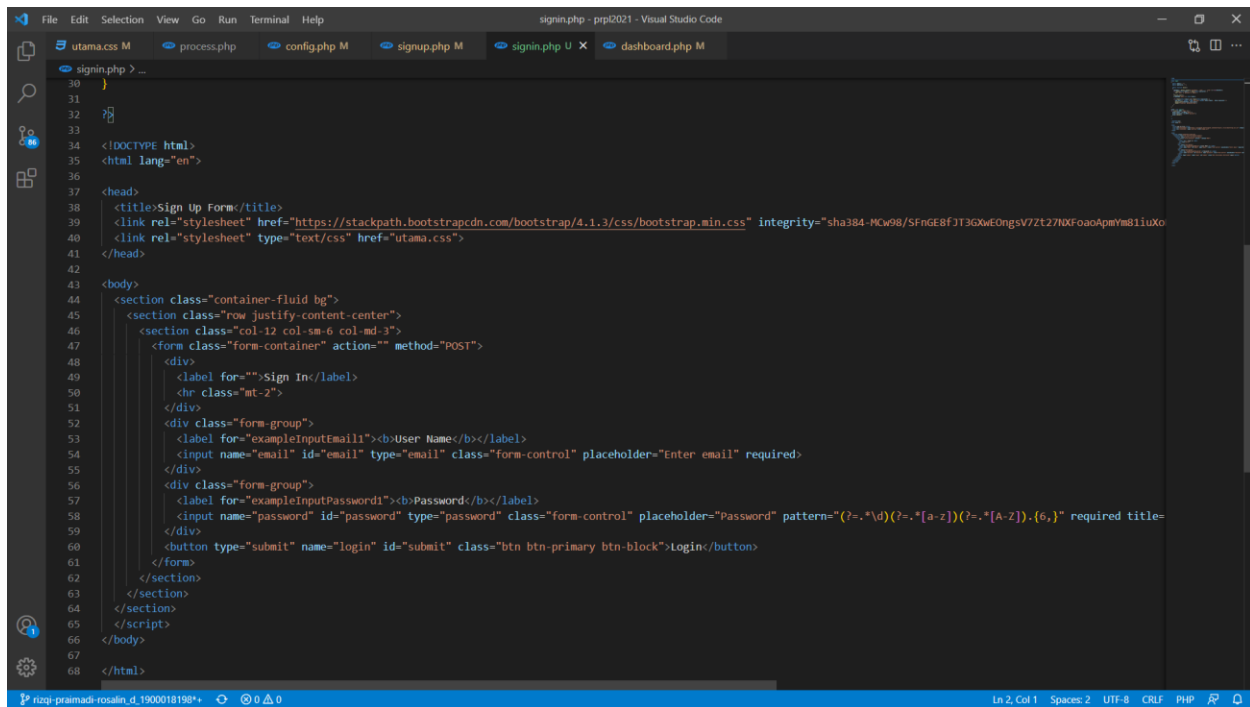


```
1 <?php
2 //Import PHPMailer classes into the global namespace
3 //These must be at the top of your script, not inside a function
4 use PHPMailer\PHPMailer\PHPMailer;
5 use PHPMailer\PHPMailer\SMTP;
6 use PHPMailer\PHPMailer\Exception;
7
8 //Load Composer's autoloader
9 require 'vendor/autoload.php';
10
11 class daftar
12 {
13     public $email = "";
14     public $password = "";
15
16     public function proses()
17     {
18         //Instantiation and passing 'true' enables exceptions
19         $pesan = new PHPMailer(true);
20
21         //Server settings
22         $pesan->isSMTP(); //Send using SMTP
23         $pesan->Host = 'smtp.gmail.com'; //Set the SMTP server to send through
24         $pesan->SMTPAuth = true; //Enable SMTP authentication
25         $pesan->Username = 'rizqiprosalin@gmail.com'; //SMTP username
26         $pesan->Password = 'Mohak12345'; //SMTP password
27         $pesan->Port = 587; //TCP port to connect to, use 465 for 'PHPMailer::ENCRYPTION_SMTPS' above
28
29         //Recipients
30         $pesan->setFrom('rizqiprosalin@gmail.com', 'Admin');
31         $pesan->addAddress($this->email); //Add a recipient
32         $pesan->addReplyTo('rizqiprosalin@gmail.com', 'Admin');
33
34         //Content
35         $pesan->isHTML(true); //Set email format to HTML
36         $pesan->Subject = 'Your Account Successfully Created!';
37         $pesan->Body = 'chi>Congratulation!! </h1> '. $this->email . '<p> You have been registered.</p>';
38
39         if ($pesan->send()) {
40             echo "Message has been sent";
41         } else {
42             echo "Message could not be sent. Mailer Error: (".$pesan->ErrorInfo)";
43         }
44     }
45
46     public function cek()
47     {
48         $koneksi = mysqli_connect('localhost', 'root', '', 'PRPL');
49         if (empty($this->email) || empty($this->password)) {
50             echo "email or password is empty!";
51         }
52
53         if (strlen($this->password) < 6) {
54             echo "Your Password Must Contain At Least 6 Characters!";
55         }
56         if (!preg_match("#[0-9]+#", $this->password) && !preg_match("#[A-Z]+#", $this->password)) {
57             echo "Your Password Must Contain At Least 1 Number or capital letter! ";
58         }
59         session_start();
60         $_SESSION['email'] = $this->email;
61
62         if (!empty($this->email) and !empty($this->password)) {
63             $sql_insert = "INSERT INTO data user VALUES('$this->email', '$this->password')";
64             mysqli_query($koneksi, $sql_insert);
65             header("location:dashboard.php");
66         }
67     }
68 }
69
70 $baru = new daftar();
71 if (isset($_POST['submit'])) {
72     $baru->email = $_POST['email'];
73     $baru->password = $_POST['password'];
74     $baru->proses();
75     $baru->cek();
76 }
77
78 <!DOCTYPE html>
79 <html lang="en">
```

```

1  File Edit Selection View Go Run Terminal Help
2  utama.css M process.php config.php M signup.php M X signin.php U dashboard.php M
3  signup.php > PHP Intelephense > daftar > proses
4
5  <?php
6  <head>
7  <title>Sign Up form</title>
8  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-MCv98/FGNQ8B7J3GwE0ngsV7Zt27HXf0aoApmYm81iux0"
9  <link rel="stylesheet" type="text/css" href="utama.css">
10 </head>
11
12 <body>
13 <section class="container-fluid bg">
14 <section class="row justify-content-center">
15 <section class="col-12 col-sm-6 col-md-3">
16 <form class="form-container" action="" method="POST">
17 <div>
18 <label for="">Sign Up</label>
19 <hr class="mt-2">
20 </div>
21 <div class="form-group">
22 <label for="exampleInputEmail"><b>User Name</b></label>
23 <input name="email" id="email" type="email" class="form-control" placeholder="Enter email" required>
24 </div>
25 <div class="form-group">
26 <label for="exampleInputPassword1"><b>Password</b></label>
27 <input name="password" id="password" type="password" class="form-control" placeholder="Password" pattern="(?!.*\d)(?!.*[a-z])(?!.*[A-Z]).{6,}" required title=
28 </div>
29 <div class="form-group form-check">
30 <input type="checkbox" class="form-check-input" id="exampleCheck1" required>
31 <label class="form-check-label" for="exampleCheck1">Check me out</label>
32 </div>
33 <div>
34 <label for="">Sudah Memiliki Akun ? <a href="signin.php" style="text-decoration:none">Klik Disini</a></label>
35 </div>
36 <button type="submit" name="submit" id="submit" class="btn btn-primary btn-block">Sign Up</button>
37 </form>
38 </section>
39 </section>
40 </script>
41 </body>
42 </html>

```



```
30 }
31
32 ?
33
34 <!DOCTYPE html>
35 <html lang="en">
36
37 <head>
38 <title>Sign Up Form</title>
39 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-MCw98/SFng68/Eft3GwE0ngsV7ZT27NFXfoaoAppm811uXo"
40 <link rel="stylesheet" type="text/css" href="utama.css">
41 </head>
42
43 <body>
44 <section class="container-fluid bg">
45 <section class="row justify-content-center">
46 <section class="col-12 col-sm-6 col-md-3">
47 <form class="form-container" action="" method="POST">
48 <div>
49 <label for="">Sign In</label>
50 <div class="mt-2">
51 </div>
52 <div class="form-group">
53 <label for="exampleInputEmail1"><b>User Name</b></label>
54 <input name="email" id="email" type="email" class="form-control" placeholder="Enter email required">
55 </div>
56 <div class="form-group">
57 <label for="exampleInputPassword1"><b>Password</b></label>
58 <input name="password" id="password" type="password" class="form-control" placeholder="Password" pattern="(?!.*\d)(?!.*[a-z])(?!.*[A-Z]).{6,}" required title=
59 </div>
60 <button type="submit" name="login" id="submit" class="btn btn-primary btn-block">login</button>
61 </form>
62 </section>
63 </section>
64 </section>
65 </script>
66 </body>
67
68 </html>
```

## Kesimpulan

Menurut saya pada codingan signin.php terbilang simple atau sederhana dan juga mudah dipahami karena pada source code diatas menggunakan procedural sehingga mudah dipahami.