LAPORAN PRAKTIKUM

PEMROGRAMAN BERBASIS WEB

Disusun Oleh :

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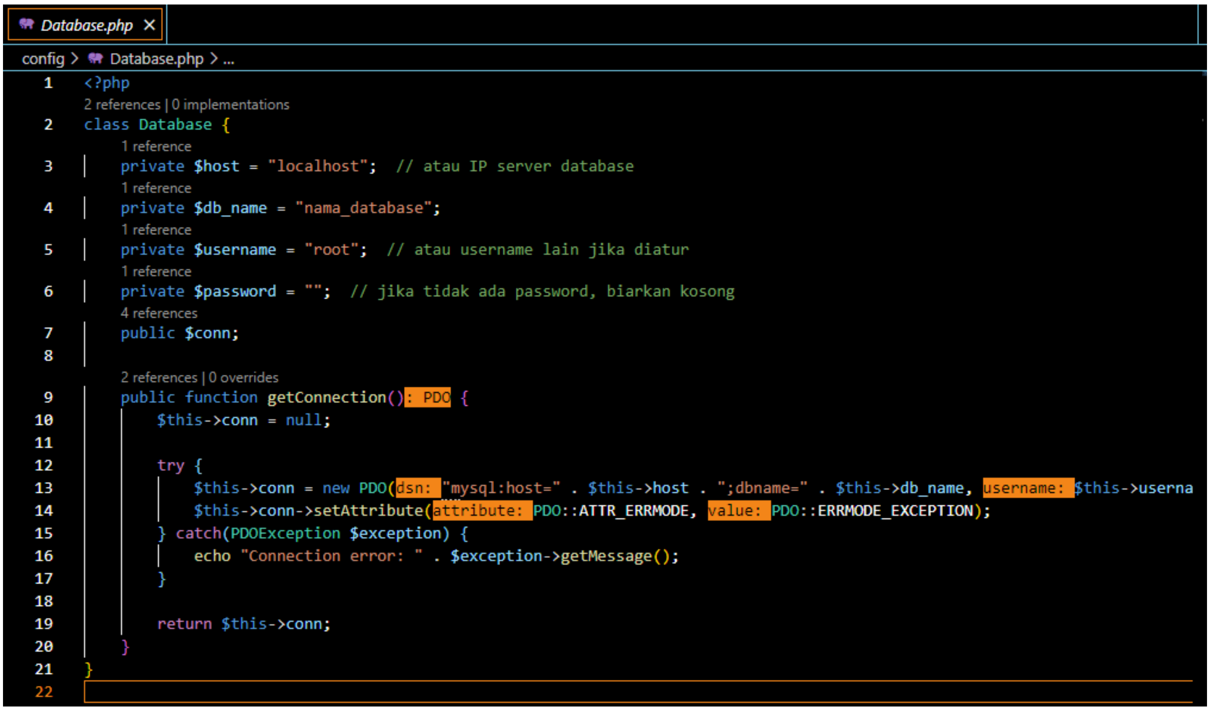
2024

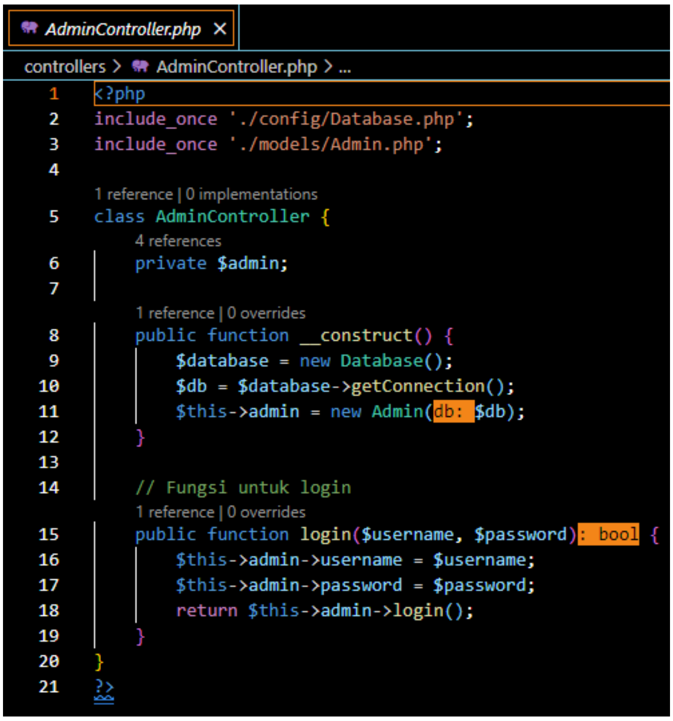
Membuat Aplikasi Buku Dengan OOP/PDO/MVC

- /config/database.php/



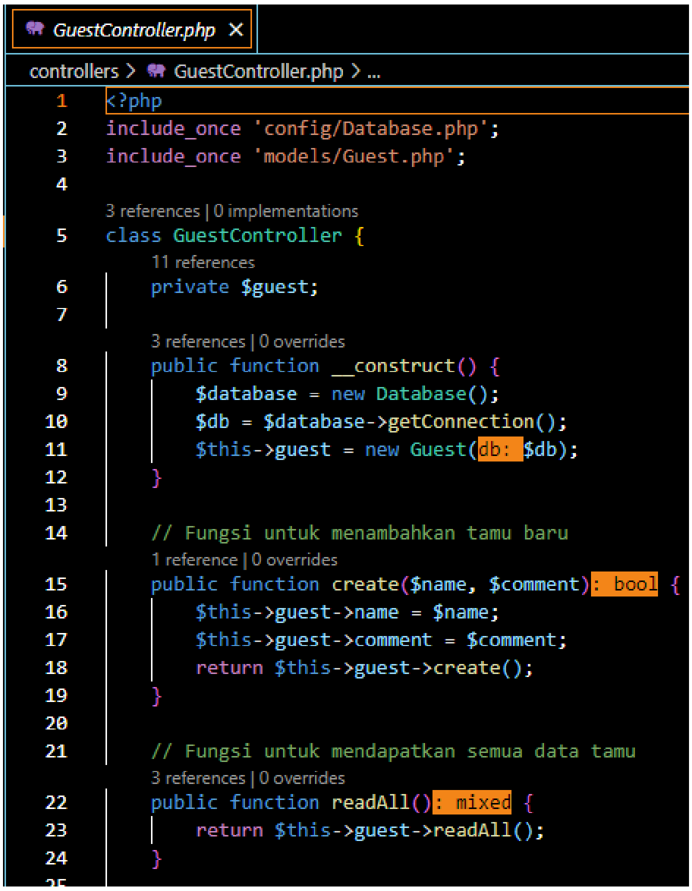
```php
<?php
2 references | 0 implementations
class Database {
    1 reference
    private $host = "localhost";  // atau IP server database
    1 reference
    private $db_name = "nama_database";
    1 reference
    private $username = "root";  // atau username lain jika diatur
    1 reference
    private $password = "";  // jika tidak ada password, biarkan kosong
    4 references
    public $conn;

    2 references | 0 overrides
    public function getConnection(): PDO {
        $this->conn = null;

        try {
            $this->conn = new PDO(dsn: "mysql:host=" . $this->host . ";dbname=" . $this->db_name, username: $this->userna
            $this->conn->setAttribute(attribute: PDO::ATTR_ERRMODE, value: PDO::ERRMODE_EXCEPTION);
        } catch(PDOException $exception) {
            echo "Connection error: " . $exception->getMessage();
        }

        return $this->conn;
    }
}

```

- controllers/AdminController.php

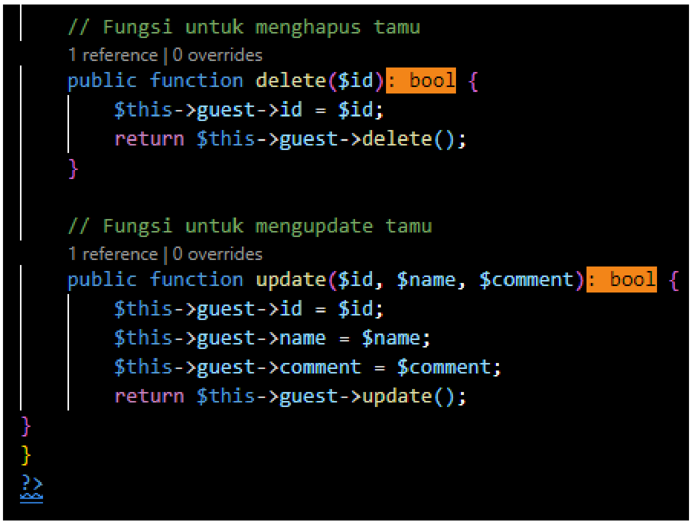


```php
<?php
include_once './config/Database.php';
include_once './models/Admin.php';

1 reference | 0 implementations
class AdminController {
    4 references
    private $admin;

    1 reference | 0 overrides
    public function __construct() {
        $database = new Database();
        $db = $database->getConnection();
        $this->admin = new Admin(db: $db);
    }

    // Fungsi untuk login
    1 reference | 0 overrides
    public function login($username, $password): bool {
        $this->admin->username = $username;
        $this->admin->password = $password;
        return $this->admin->login();
    }
}
?>
```

- controllers/GuestController.php

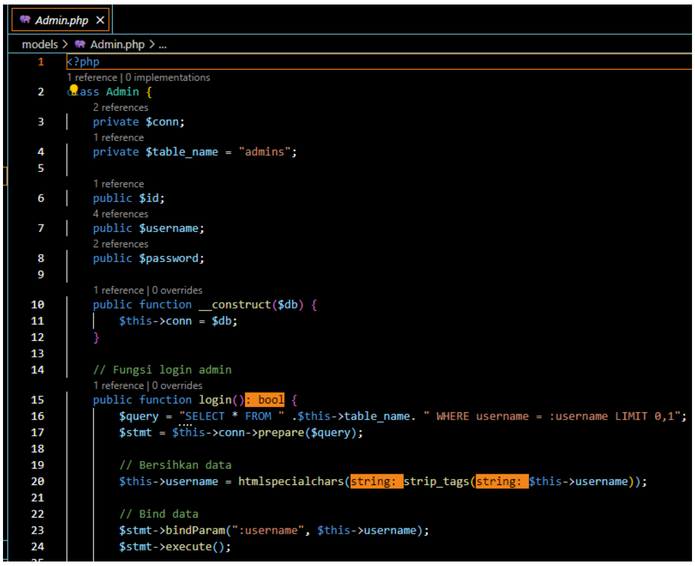


```php
<?php
include_once 'config/Database.php';
include_once 'models/Guest.php';

3 references | 0 implementations
class GuestController {
    11 references
    private $guest;

    3 references | 0 overrides
    public function __construct() {
        $database = new Database();
        $db = $database->getConnection();
        $this->guest = new Guest(db: $db);
    }

    // Fungsi untuk menambahkan tamu baru
    1 reference | 0 overrides
    public function create($name, $comment): bool {
        $this->guest->name = $name;
        $this->guest->comment = $comment;
        return $this->guest->create();
    }

    // Fungsi untuk mendapatkan semua data tamu
    3 references | 0 overrides
    public function readAll(): mixed {
        return $this->guest->readAll();
    }
```

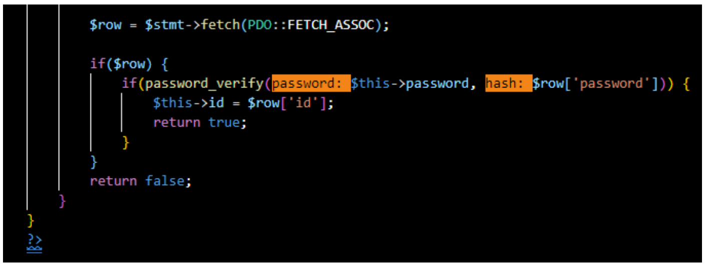


```php
    // Fungsi untuk menghapus tamu
    1 reference | 0 overrides
    public function delete($id): bool {
        $this->guest->id = $id;
        return $this->guest->delete();
    }

    // Fungsi untuk mengupdate tamu
    1 reference | 0 overrides
    public function update($id, $name, $comment): bool {
        $this->guest->id = $id;
        $this->guest->name = $name;
        $this->guest->comment = $comment;
        return $this->guest->update();
}
}
?>
```

- /models/Admin.php

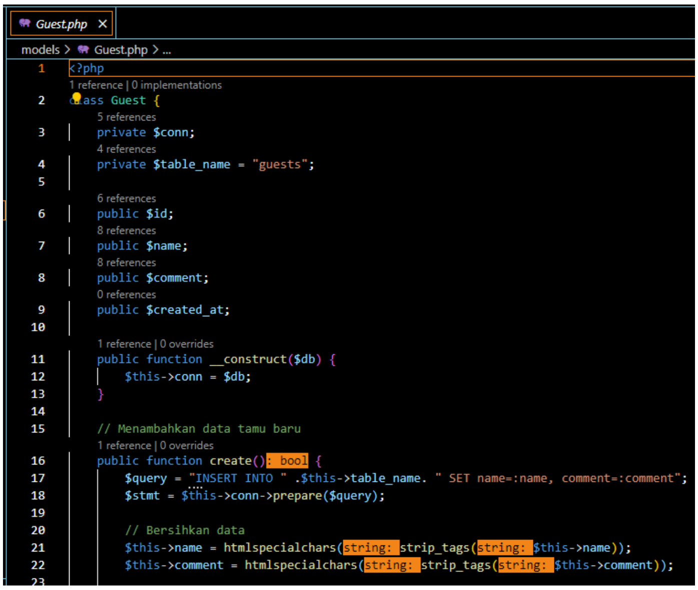


```
<?php
1 reference | 0 implementations
class Admin {
    2 references
    private $conn;
    1 reference
    private $table_name = "admins";

    1 reference
    public $id;
    4 references
    public $username;
    2 references
    public $password;

    1 reference | 0 overrides
    public function __construct($db) {
        $this->conn = $db;
    }

    // Fungsi login admin
    1 reference | 0 overrides
    public function login(): bool {
        $query = "SELECT * FROM " .$this->table_name. " WHERE username = :username LIMIT 0,1";
        $stmt = $this->conn->prepare($query);

        // Bersihkan data
        $this->username = htmlspecialchars(string: strip_tags(string: $this->username));

        // Bind data
        $stmt->bindParam(":username", $this->username);
        $stmt->execute();
```

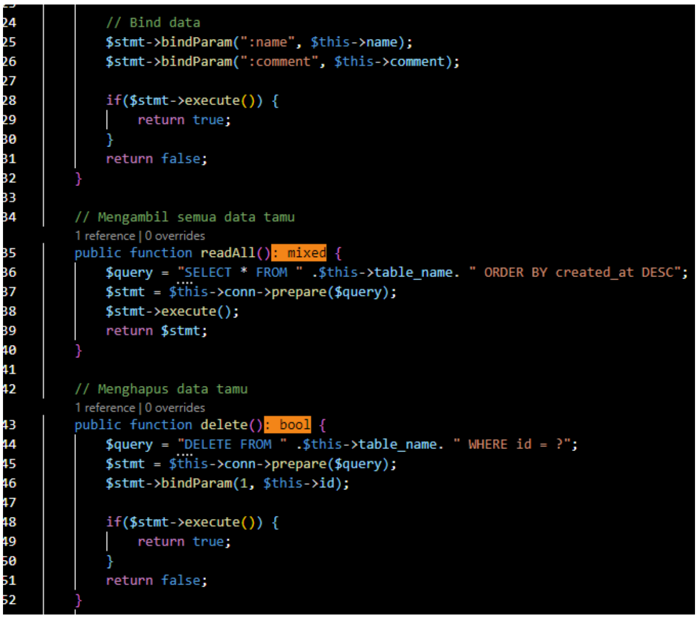


```
        $row = $stmt->fetch(PDO::FETCH_ASSOC);

        if($row) {
            if(password_verify(password: $this->password, hash: $row['password'])) {
                $this->id = $row['id'];
                return true;
            }
        }
        return false;
    }
}
?>
```

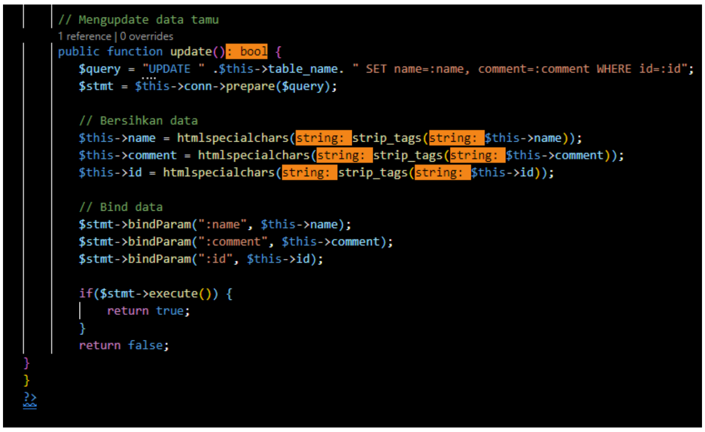
- /models/Guest.php



```
<?php
1 reference | 0 implementations
class Guest {
    5 references
    private $conn;
    4 references
    private $table_name = "guests";

    6 references
    public $id;
    8 references
    public $name;
    8 references
    public $comment;
    0 references
    public $created_at;

    1 reference | 0 overrides
    public function __construct($db) {
        $this->conn = $db;
    }

    // Menambahkan data tamu baru
    1 reference | 0 overrides
    public function create(): bool {
        $query = "INSERT INTO " .$this->table_name. " SET name=:name, comment=:comment";
        $stmt = $this->conn->prepare($query);

        // Bersihkan data
        $this->name = htmlspecialchars(string: strip_tags(string: $this->name));
        $this->comment = htmlspecialchars(string: strip_tags(string: $this->comment));
```

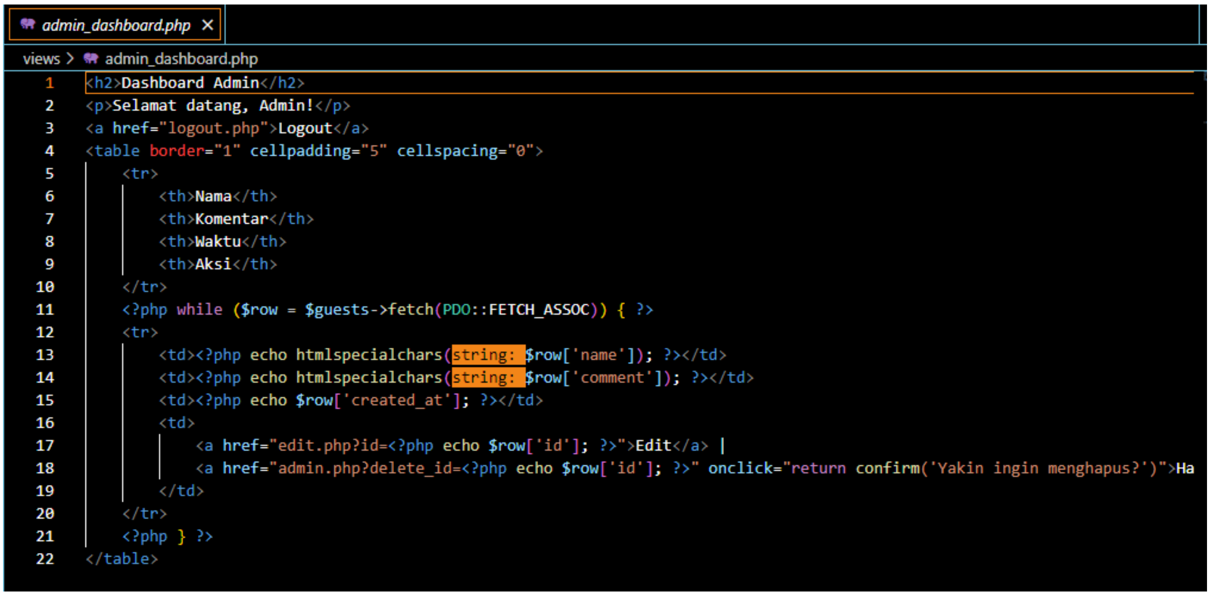


```
        // Bind data
        $stmt->bindParam(":name", $this->name);
        $stmt->bindParam(":comment", $this->comment);

        if($stmt->execute()) {
            return true;
        }
        return false;
    }

    // Mengambil semua data tamu
    1 reference | 0 overrides
    public function readAll(): mixed {
        $query = "SELECT * FROM " .$this->table_name. " ORDER BY created_at DESC";
        $stmt = $this->conn->prepare($query);
        $stmt->execute();
        return $stmt;
    }

    // Menghapus data tamu
    1 reference | 0 overrides
    public function delete(): bool {
        $query = "DELETE FROM " .$this->table_name. " WHERE id = ?";
        $stmt = $this->conn->prepare($query);
        $stmt->bindParam(1, $this->id);

        if($stmt->execute()) {
            return true;
        }
        return false;
    }
```



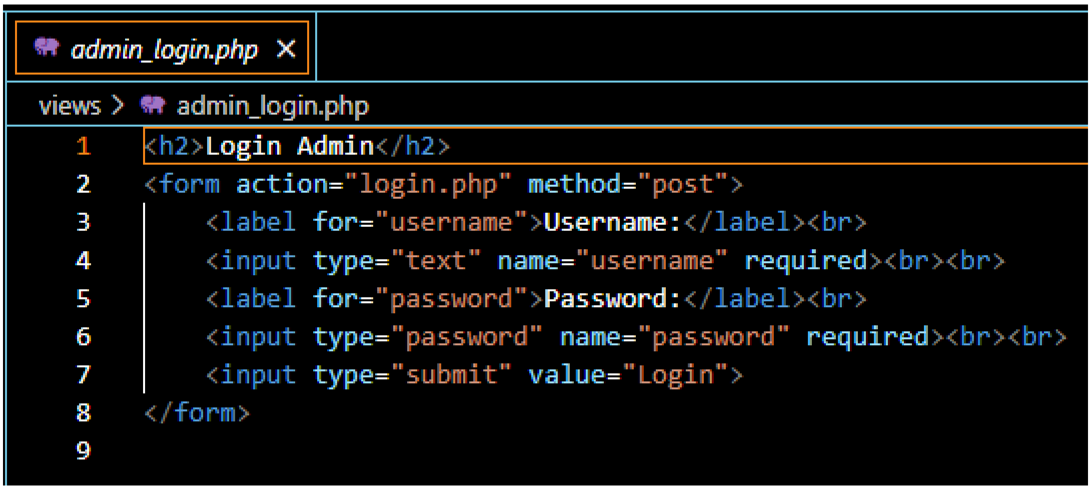
```
    // Mengupdate data tamu
    1 reference | 0 overrides
    public function update(): bool {
        $query = "UPDATE " .$this->table_name. " SET name=:name, comment=:comment WHERE id=:id";
        $stmt = $this->conn->prepare($query);

        // Bersihkan data
        $this->name = htmlspecialchars(string: strip_tags(string: $this->name));
        $this->comment = htmlspecialchars(string: strip_tags(string: $this->comment));
        $this->id = htmlspecialchars(string: strip_tags(string: $this->id));

        // Bind data
        $stmt->bindParam(":name", $this->name);
        $stmt->bindParam(":comment", $this->comment);
        $stmt->bindParam(":id", $this->id);

        if($stmt->execute()) {
            return true;
        }
        return false;
    }
}
?>
```

- /views/admin_dashboard.php



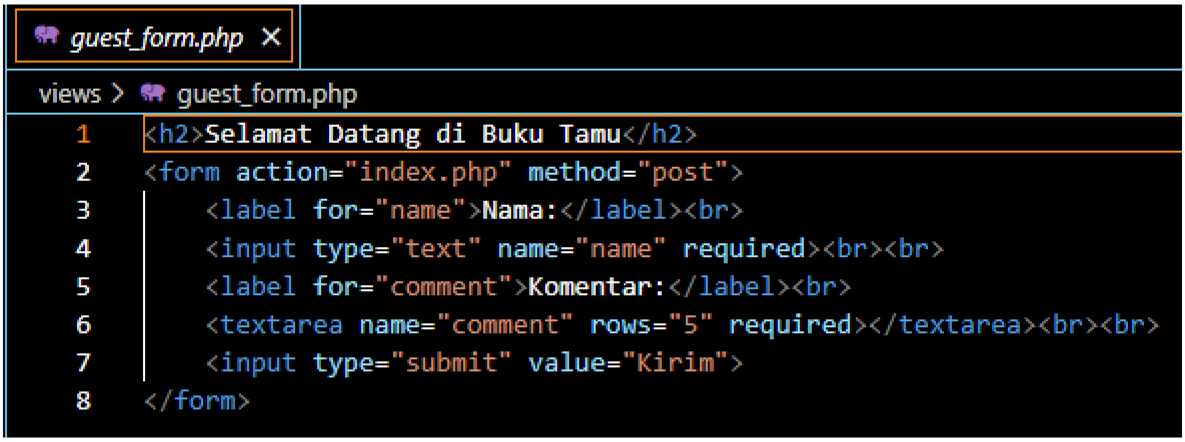
```
<h2>Dashboard Admin</h2>
<p>Selamat datang, Admin!</p>
<a href="logout.php">Logout</a>
<table border="1" cellpadding="5" cellspacing="0">
    <tr>
        <th>Nama</th>
        <th>Komentar</th>
        <th>Waktu</th>
        <th>Aksi</th>
    </tr>
    <?php while ($row = $guests->fetch(PDO::FETCH_ASSOC)) { ?>
    <tr>
        <td><?php echo htmlspecialchars(string: $row['name']); ?></td>
        <td><?php echo htmlspecialchars(string: $row['comment']); ?></td>
        <td><?php echo $row['created_at']; ?></td>
        <td>
            <a href="edit.php?id=<?php echo $row['id']; ?>">Edit</a> |
            <a href="admin.php?delete_id=<?php echo $row['id']; ?>" onclick="return confirm('Yakin ingin menghapus?')">Ha
        </td>
    </tr>
    <?php } ?>
</table>
```

- /views/admin_login.php



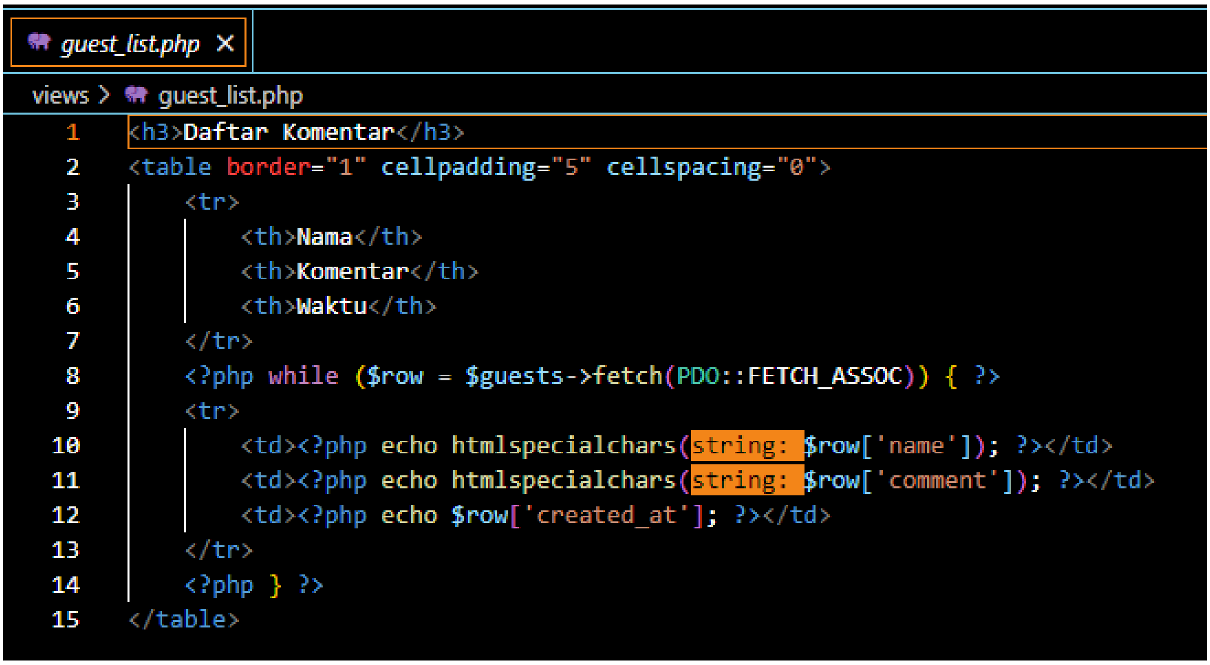
```
<h2>Login Admin</h2>
<form action="login.php" method="post">
    <label for="username">Username:</label><br>
    <input type="text" name="username" required><br><br>
    <label for="password">Password:</label><br>
    <input type="password" name="password" required><br><br>
    <input type="submit" value="Login">
</form>

```

- /views/gues_form.php



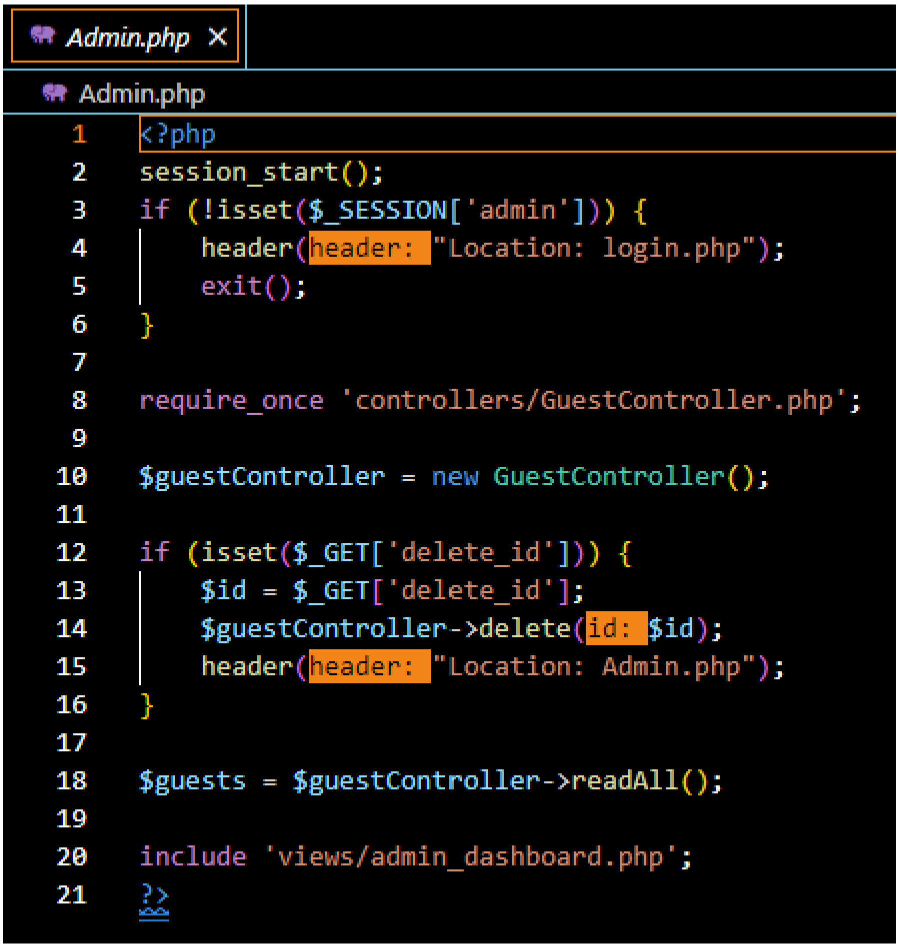
```
<h2>Selamat Datang di Buku Tamu</h2>
<form action="index.php" method="post">
    <label for="name">Nama:</label><br>
    <input type="text" name="name" required><br><br>
    <label for="comment">Komentar:</label><br>
    <textarea name="comment" rows="5" required></textarea><br><br>
    <input type="submit" value="Kirim">
</form>
```

- /views/guest_list.php



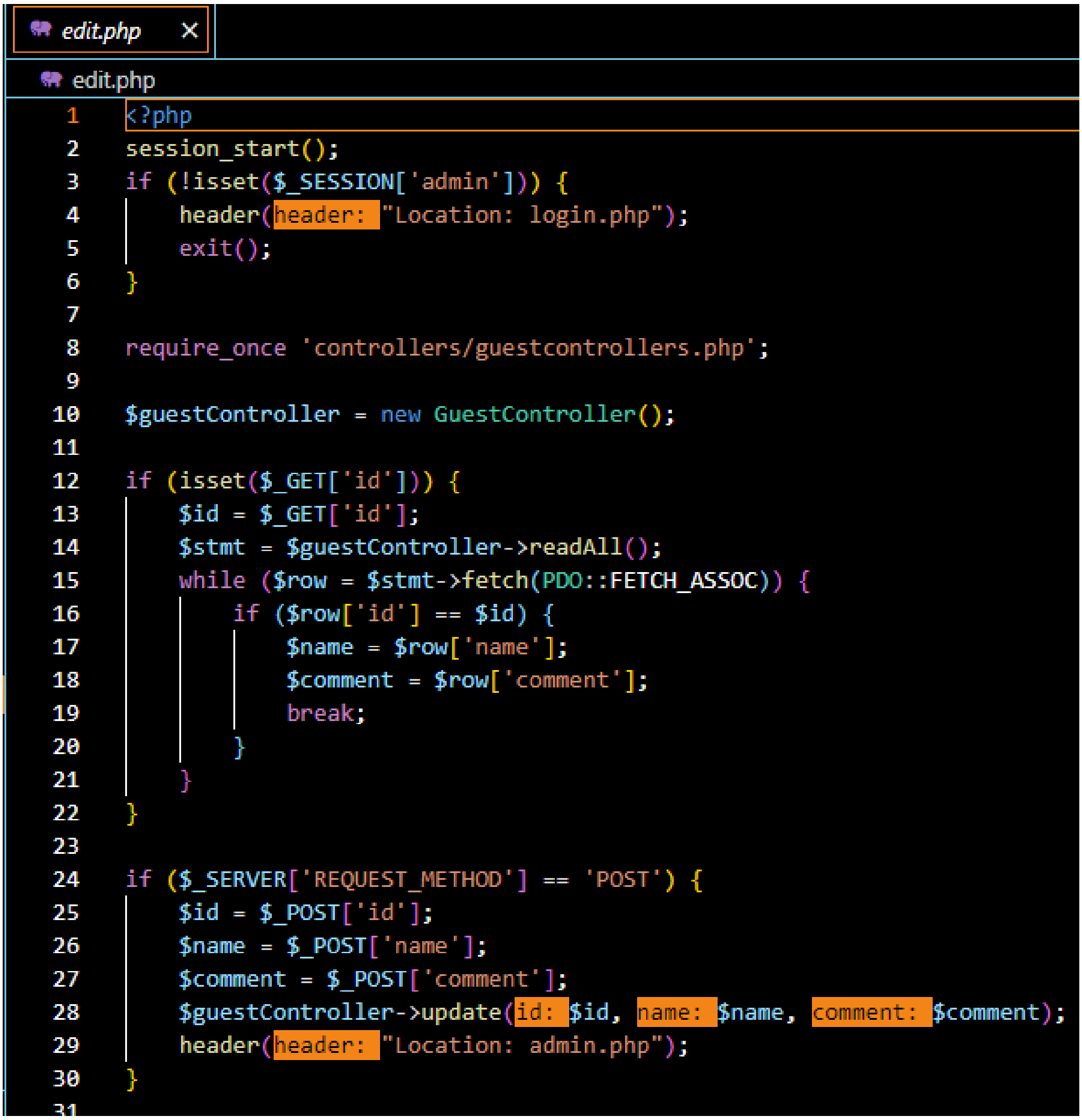
```
<h3>Daftar Komentar</h3>
<table border="1" cellpadding="5" cellspacing="0">
    <tr>
        <th>Nama</th>
        <th>Komentar</th>
        <th>Waktu</th>
    </tr>
    <?php while ($row = $guests->fetch(PDO::FETCH_ASSOC)) { ?>
    <tr>
        <td><?php echo htmlspecialchars(string: $row['name']); ?></td>
        <td><?php echo htmlspecialchars(string: $row['comment']); ?></td>
        <td><?php echo $row['created_at']; ?></td>
    </tr>
    <?php } ?>
</table>
```

- Admin.php

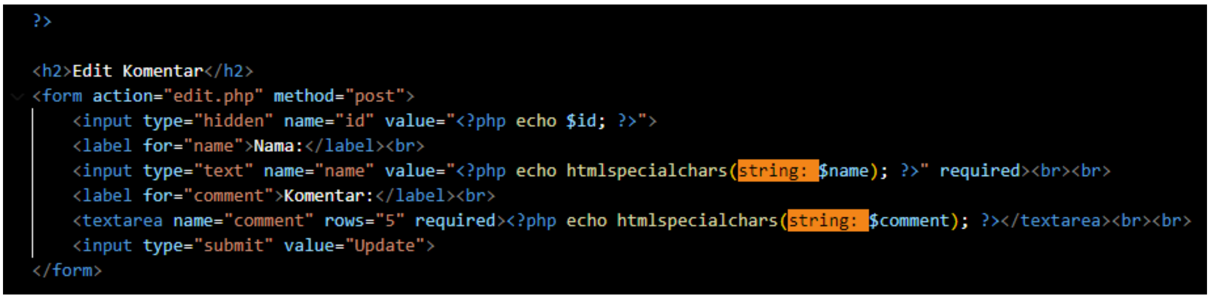


```php
<?php
session_start();
if (!isset($_SESSION['admin'])) {
    header(header: "Location: login.php");
    exit();
}

require_once 'controllers/GuestController.php';

$guestController = new GuestController();

if (isset($_GET['delete_id'])) {
    $id = $_GET['delete_id'];
    $guestController->delete(id: $id);
    header(header: "Location: Admin.php");
}

$guests = $guestController->readAll();

include 'views/admin_dashboard.php';
?>
```

- edit.php

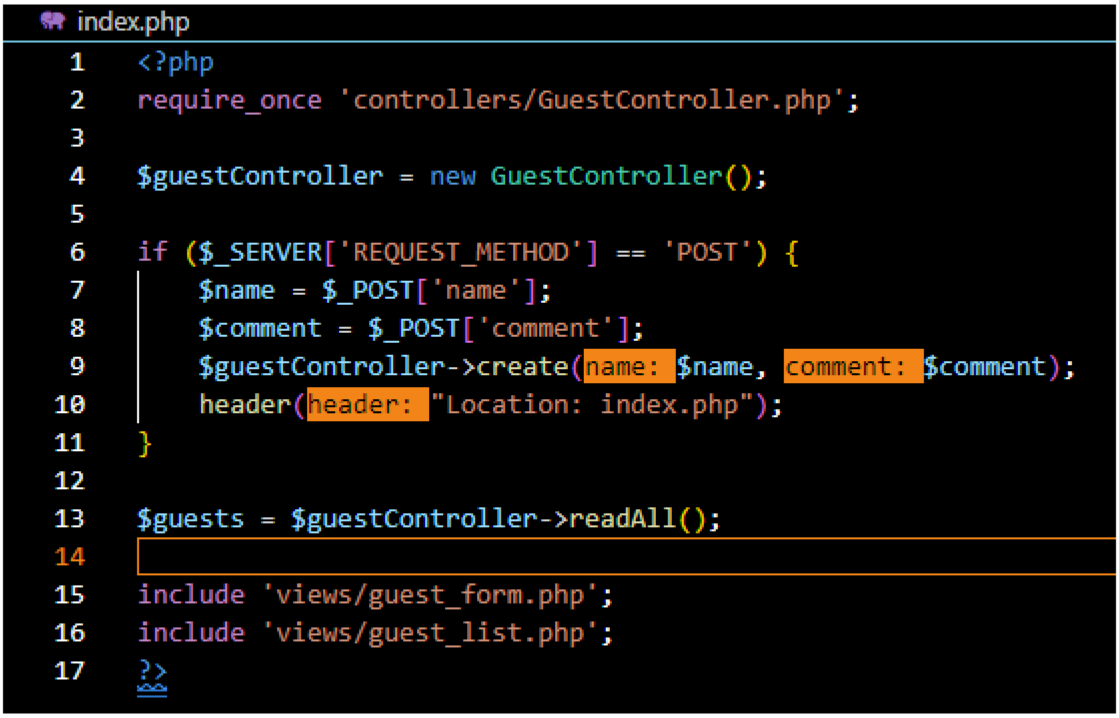


```php
<?php
session_start();
if (!isset($_SESSION['admin'])) {
    header(header: "Location: login.php");
    exit();
}

require_once 'controllers/guestcontrollers.php';

$guestController = new GuestController();

if (isset($_GET['id'])) {
    $id = $_GET['id'];
    $stmt = $guestController->readAll();
    while ($row = $stmt->fetch(PDO::FETCH_ASSOC)) {
        if ($row['id'] == $id) {
            $name = $row['name'];
            $comment = $row['comment'];
            break;
        }
    }
}

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $id = $_POST['id'];
    $name = $_POST['name'];
    $comment = $_POST['comment'];
    $guestController->update(id: $id, name: $name, comment: $comment);
    header(header: "Location: admin.php");
}
```



```html
?>

<h2>Edit Komentar</h2>
<form action="edit.php" method="post">
    <input type="hidden" name="id" value="<?php echo $id; ?>">
    <label for="name">Nama:</label><br>
    <input type="text" name="name" value="<?php echo htmlspecialchars(string: $name); ?>" required><br><br>
    <label for="comment">Komentar:</label><br>
    <textarea name="comment" rows="5" required><?php echo htmlspecialchars(string: $comment); ?></textarea><br><br>
    <input type="submit" value="Update">
</form>
```

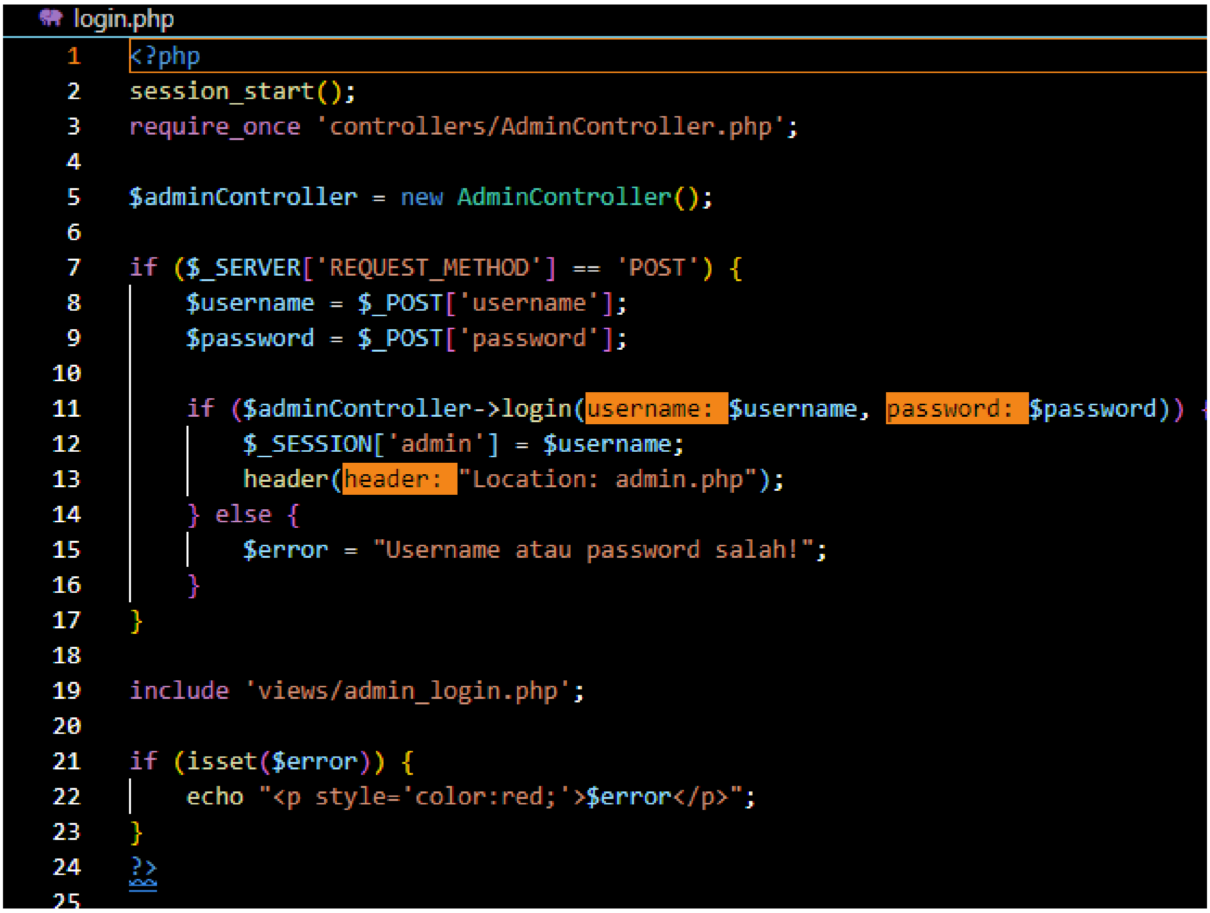
- index.php



index.php

```php
<?php
require_once 'controllers/GuestController.php';

$guestController = new GuestController();

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $comment = $_POST['comment'];
    $guestController->create(name: $name, comment: $comment);
    header(header: "Location: index.php");
}

$guests = $guestController->readAll();

include 'views/guest_form.php';
include 'views/guest_list.php';
?>
```

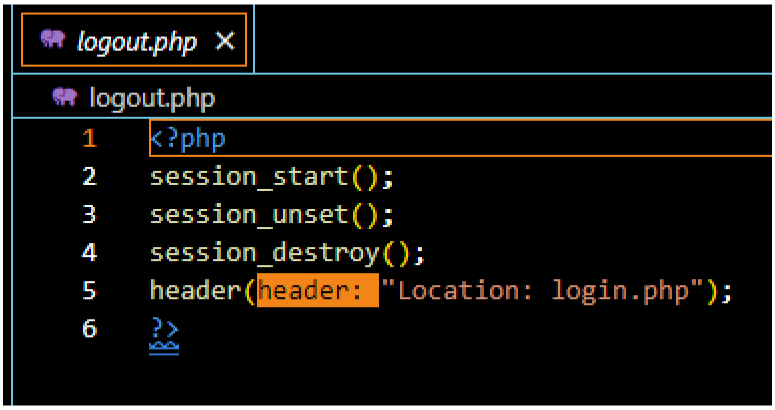
- login.php



login.php

```php
<?php
session_start();
require_once 'controllers/AdminController.php';

$adminController = new AdminController();

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $username = $_POST['username'];
    $password = $_POST['password'];

    if ($adminController->login(username: $username, password: $password)) {
        $_SESSION['admin'] = $username;
        header(header: "Location: admin.php");
    } else {
        $error = "Username atau password salah!";
    }
}

include 'views/admin_login.php';

if (isset($error)) {
    echo "<p style='color:red;'>$error</p>";
}
?>
```

- logout.php



```php
<?php
session_start();
session_unset();
session_destroy();
header(header: "Location: login.php");
?>
```

- database di php

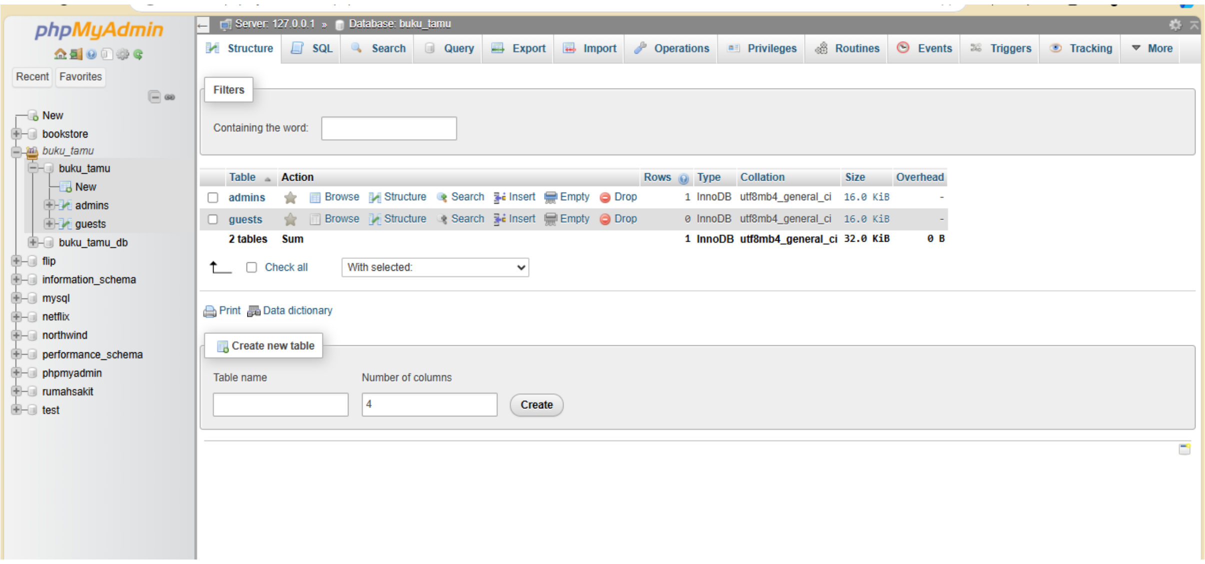
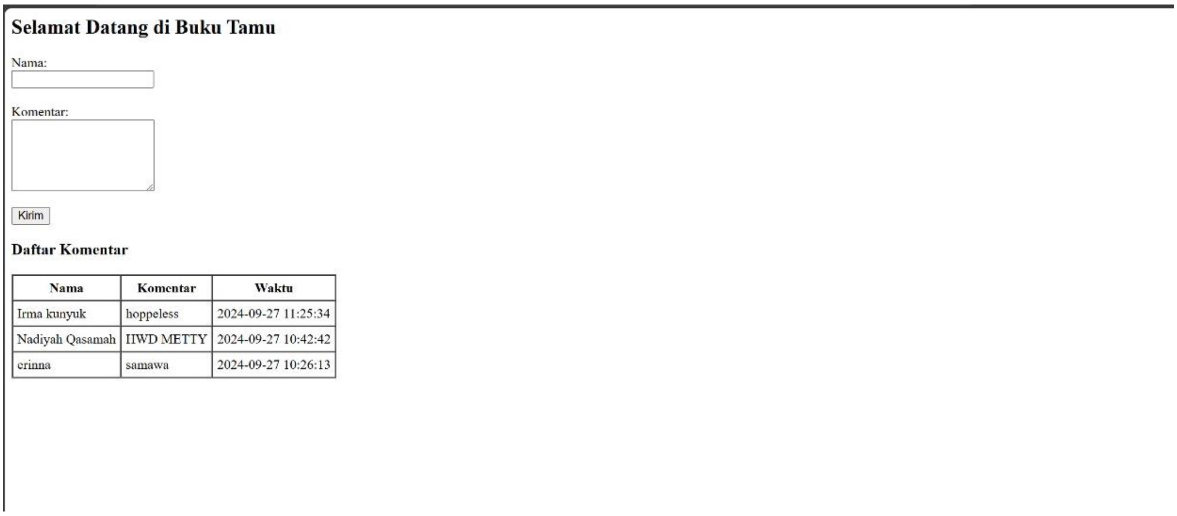


	Table	Action	Rows	Type	Collation	Size	Overhead
□	admins	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
□	guests	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
	2 tables	Sum	1	InnoDB	utf8mb4_general_ci	32.0 KiB	0 B

- hasil running



Selamat Datang di Buku Tamu

Nama:

Komentar:

Kirim

Daftar Komentar

Nama	Komentar	Waktu
Irma kunyuk	hoppeless	2024-09-27 11:25:34
Nadiyah Qasamah	IIWD METTY	2024-09-27 10:42:42
erinna	samawa	2024-09-27 10:26:13