

Praktikum 1: Basis Data Enterprise

Akses Database MySQL dengan PDO (PHP Data Object)

Perbaiki kode program dengan tanda **???** dengan kode yang benar sehingga aplikasi dapat berjalan dengan baik. Kemudian buat file `update_proses.php` dan `delete_proses.php` sehingga aplikasi dapat menangani proses update dan delete.

Select.php

```
<?php
try {
    // 1. Koneksi DB
    $dsn = 'mysql:host=localhost;dbname=kampus';
    $db = new PDO($dsn, 'root', '');

    // 2. Query SQL
    $sql = "SELECT * FROM mahasiswa";
    $result = $db->query($sql);
    $numrows = $result->rowCount();
} catch (Exception $e) {
    $error = $e->getMessage();
}

if($db){
    echo "Koneksi berhasil";
}elseif(isset($error)){
    echo $error;
}
?>
<!DOCTYPE html>
<html>
<head>
    <title>Data Mahasiswa</title>
</head>
<body>

<h2>Data Mahasiswa</h2>
<a href="insert_form.php">Tambah</a>
<?php
if($numrows != 0){
?>
<table>
    <thead>
        <tr>
            <th>ID</th>
            <th>Nama</th>
            <th>Jurusan</th>
            <th>Action</th>
        </tr>
    </thead>
    <tbody>
        <?php
        // 3. Tampilkan Hasil Query SELECT
        while($row = $result->fetch()){
            ?>
            <tr>
                <td><?php echo $row['id']; ?></td>
                <td><?php echo $row['nama']; ?></td>
                <td><?php echo $row['jurusan']; ?></td>
                <td>
```

```

                <a href="update_form.php?id=<?php echo $row['id'];
?>">Edit</a> |
                <a href="delete.php?id=<?php echo $row['id'];
?>">Delete</a>
            </td>
        </tr>
    </tbody>
</table>
<?php
}
?>
</tbody>
</table>
<?php
}else{
    echo "Tidak ada data.";
}
?>

</body>
</html>

```

Insert_form.php

```

<!DOCTYPE html>
<html>
<head>
    <title>Data Mahasiswa</title>
</head>
<body>

<h2>Tambah Mahasiswa</h2>
<form action="insert_proses.php" method="post">
    Nama: <input type="text" name="nama" />
    <br />
    Jurusan: <input type="text" name="jurusan" />
    <br />
    <input type="submit" name="tambah" value="Simpan" />
</form>

</body>
</html>

```

Insert_proses.php

```

<?php

if(isset($_POST['tambah'])){
    try {
        $dsn = '???';
        $db = new PDO('???', '???' , '???');

        $nama = $_POST['nama'];
        $jurusan = $_POST['jurusan'];
        $sql = "INSERT INTO mahasiswa (nama, jurusan)
                VALUES ('$nama', '$jurusan')";
        $db->exec($sql);
        header('Location: select.php');
    } catch (Exception $e) {

```

```

        $error = $e->getMessage();
    }
} else {
    header('Location: select.php');
}

```

Update_form.php

```

<?php
$id = $_GET['id'];
try {
    $dsn = '???';
    $db = new PDO('???', '???' , '???');
    $sql = "SELECT * FROM mahasiswa
            WHERE id='$id'";
    $result = $db->query($sql);
    $row = $result->fetch();
} catch (Exception $e) {
    $error = $e->getMessage();
}
?>
<!DOCTYPE html>
<html>
<head>
    <title>Data Mahasiswa</title>
</head>
<body>

<h2>Tambah Mahasiswa</h2>
<form action="update_proses.php?id=<?php echo $id; ?>" method="post">
    Nama: <input type="text" name="nama" value="<?php echo $row['nama'];
?>" />
    <br />
    Jurusan: <input type="text" name="jurusan" value="<?php echo
$row['jurusan']; ?>" />
    <br />
    <input type="submit" name="tambah" value="Simpan" />
</form>

</body>
</html>

```