TASK REPORT

WEEK PROGRAMING

WEEK 5

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X

INFORMATICS ENGINEERING

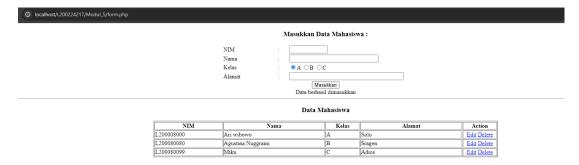**FACULTY OF COMMUNICATION AND INFORMATICS**

UNIVERSITAS MUHAMMADIYAH SURAKARTA

2023/2024

TASK

1. ## Experiment 1 (Student Form Data)

- Code

```php
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Data Mahasiswa</title>
</head>
<?php
  $con = mysqli_connect('localhost', 'root', '', 'informatika');
?>
<body>
<center>
<h3>Masukkan Data Mahasiswa :</h3>
<table border='0' width='50%'>
<form method="POST" action="<?php echo $_SERVER['PHP_SELF']; ?>">
<tr>
<td width='25%'>NIM</td>
<td width='5%'>:</td>
<td width='65%'><input type="text" name='nim' size='10' maxlength='10'></td></tr>
<td width='25%'>Nama</td>
<td width='5%'>:</td>
<td width='65%'><input type="text" name='nama' size='30' maxlength='50'></td></tr>
<td width='25%'>Kelas</td>
<td width='5%'>:</td>
<td width='65%'>
 <input type="radio" value='A' name='kelas' checked>A
 <input type="radio" value='B' name='kelas'>B
 <input type="radio" value='C' name='kelas'>C
</td></tr>
<td width='25%'>Alamat</td>
<td width='5%'>:</td>
<td width='65%'><input type="text" name='alamat' size='40' maxlength='50'></td></tr>
</Table>
<input type="submit" value="Masukkan" name="submit">
</form>

<?php
error_reporting(E_ALL ^ E_NOTICE);

if ($_SERVER['REQUEST_METHOD'] == "POST") {
  $nim = $_POST['nim'];
  $nama = $_POST['nama'];
  $kelas = $_POST['kelas'];
  $alamat = $_POST['alamat'];
  $submit = $_POST['submit'];

  $input = "INSERT INTO mahasiswa(NIM, Nama, Kelas, Alamat) VALUES ('$nim', '$nama', '$kelas', '$alamat')";

  if ($submit) {
    if ($nim == '') {
      echo "<br>NIM tidak boleh kosong, diisi dulu";
    } elseif ($nama == '') {
      echo "<br>Nama tidak boleh kosong, diisi dulu";
    } elseif ($alamat == '') {
      echo "<br>Alamat tidak boleh kosong, diisi dulu";
    } else {
      mysqli_query($con, $input);
      echo "<br>Data berhasil dimasukkan";
    }
  }
}
?>

<hr>
<H3>Data Mahasiswa</H3>
<table border='1' width='50%'>
<tr>
<td align='center' width='20%'><b>NIM</b></td>
<td align='center' width='30%'><b>Nama</b></td>
<td align='center' width='10%'><b>Kelas</b></td>
<td align='center' width='30%'><b>Alamat</b></td>
<td align='center' width='10%'><b>Action</b></td>
</tr>
<?php
$data = "SELECT * FROM mahasiswa ORDER BY NIM";
$hasil_data = mysqli_query($con, $data);
while ($data = mysqli_fetch_row($hasil_data)) {
  echo "
  <tr>
  <td width='20%'>$data[0]</td>
  <td width='30%'>$data[1]</td>
  <td width='10%'>$data[2]</td>
  <td width='30%'>$data[3]</td>
  <td width='10%' align='center'>
    <a href='?edit=$data[0]'>Edit</a>
    <a href='?delete=$data[0]'>Delete</a>
  </td>
  </tr>";
}

// Delete data from database
if (isset($_GET['delete'])) {
  $data_delete = $_GET['delete'];
  $delete_query = "DELETE FROM mahasiswa WHERE NIM = '$data_delete'";
  mysqli_query($con, $delete_query);
  header("location: " . $_SERVER['PHP_SELF']);
  exit;
}

// Edit data in the database
if (isset($_GET['edit'])) {
  $data_edit = $_GET['edit'];
  $edit_query = "SELECT * FROM mahasiswa WHERE NIM = '$data_edit'";
  $hasil_edit = mysqli_query($con, $edit_query);
  $row_edit = mysqli_fetch_assoc($hasil_edit);
}

if (isset($_POST['submit_edit'])) {
  $nim_edit = $_POST['nim_edit'];
  $nama_edit = $_POST['nama_edit'];
  $kelas_edit = $_POST['kelas_edit'];
  $alamat_edit = $_POST['alamat_edit'];

  $update_query = "UPDATE mahasiswa SET Nama = '$nama_edit', Kelas = '$kelas_edit', Alamat = '$alamat_edit' WHERE NIM = '$nim_edit'";
  mysqli_query($con, $update_query);
  header("Location: " . $_SERVER['PHP_SELF']);
  exit;
}
?>

<?php
if (isset($_GET['edit'])) {
  echo "
  <h3>Edit Data Mahasiswa</h3>
  <form method='POST' action='" . $_SERVER['PHP_SELF'] . "'>
    <input type='hidden' name='nim_edit' value='" . $row_edit['NIM'] . "'>
    <table border='0' width='40%'>
      <tr>
        <td width='25%'>NIM</td>
        <td width='5%'>:</td>
        <td width='65%'>" . $row_edit['NIM'] . "</td>
      </tr>
      <tr>
        <td width='25%'>Nama</td>
        <td width='5%'>:</td>
        <td width='65%'><input type='text' name='nama_edit' value='" . $row_edit['Nama'] . "' size='30' maxlength='50'></td>
      </tr>
      <tr>
        <td width='25%'>Kelas</td>
        <td width='5%'>:</td>
        <td width='65%'>
          <input type='radio' name='kelas_edit' value='A' " . ($row_edit['Kelas'] == 'A' ? 'checked' : '') . ">A
          <input type='radio' name='kelas_edit' value='B' " . ($row_edit['Kelas'] == 'B' ? 'checked' : '') . ">B
          <input type='radio' name='kelas_edit' value='C' " . ($row_edit['Kelas'] == 'C' ? 'checked' : '') . ">C
        </td>
      </tr>
      <tr>
        <td width='25%'>Alamat</td>
        <td width='5%'>:</td>
        <td width='65%'><input type='text' name='alamat_edit' value='" . $row_edit['Alamat'] . "' size='40' maxlength='50'></td>
      </tr>
    </table>
    <input type='submit' name='submit_edit' value='Update'>
  </form>";
}
?>
</table></center></body></html>
```
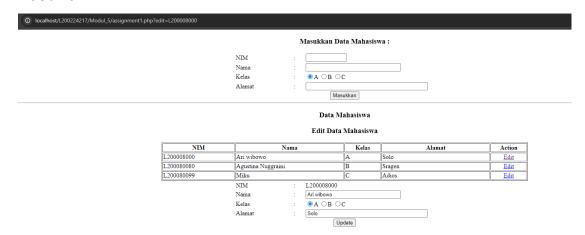
- Result

localhost/L200224217/Modul_5/form.php

Masukkan Data Mahasiswa :

NIM   : _____
Nama   : _____
Kelas   : ⦿A ○B ○C
Alamat   : _____
          [Masukkan]
Data berhasil dimasukkan

Data Mahasiswa

NIM	Nama	Kelas	Alamat	Action
L200008000	Ari wibowo	A	Solo	Edit Delete
L200080080	Agustina Nuggraini	B	Sragen	Edit Delete
L200080099	Miku	C	Adios	Edit Delete

ASSIGNMENT

1. **From the test form above, make the data in the table in each row can be changed. An example of how the table looks as shown in figure 5.1**

   - Code

- Result

2. **The warehouse table consists of warehouse code as the primary key, name_warehouse and location. Create a program to create View, Insert, Update and Delete features for the warehouse table above.**
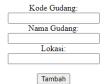
   - Code

```php
<?php
// Database connection
$conn = mysqli_connect('localhost', 'root', '', 'factory');

// Check connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

// Function to sanitize user input
function sanitizeInput($data) {
    global $conn;
    return mysqli_real_escape_string($conn, htmlspecialchars($data));
}

// View data
function viewData() {
    global $conn;
    $sql = "SELECT * FROM gudang";
    $result = mysqli_query($conn, $sql);
    if (mysqli_num_rows($result) > 0) {
        echo "<h2>Daftar Gudang:</h2>";
        echo "<table border='1'>";
        <tr>
        <th>Kode Gudang</th>
        <th>Nama Gudang</th>
        <th>Lokasi</th>
        <th>Action</th>
        </tr>";
        while ($row = mysqli_fetch_assoc($result)) {
            echo "<tr>";
            echo "<td>" . $row['kode_gudang'] . "</td>";
            echo "<td>" . $row['nama_gudang'] . "</td>";
            echo "<td>" . $row['lokasi'] . "</td>";
            echo "<td><a href='?edit=" . $row['kode_gudang'] . "'>Edit</a> | <a href='?delete=" . $row['kode_gudang'] . "'>Delete</a></td>";
            echo "</tr>";
        }
        echo "</table>";
    } else {
        echo "Tidak ada data gudang.";
    }
}

// Insert data
if (isset($_POST['submit'])) {
    $kode_gudang = sanitizeInput($_POST['kode_gudang']);
    $nama_gudang = sanitizeInput($_POST['nama_gudang']);
    $lokasi = sanitizeInput($_POST['lokasi']);
    $sql = "INSERT INTO gudang (kode_gudang, nama_gudang, lokasi) VALUES ('$kode_gudang', '$nama_gudang', '$lokasi')";
    if (mysqli_query($conn, $sql)) {
        echo "Data gudang berhasil ditambahkan.";
    } else {
        echo "Error: " . $sql . "<br>" . mysqli_error($conn);
    }
}

// Update data
if (isset($_POST['submit_edit'])) {
    $kode_gudang = sanitizeInput($_POST['kode_gudang']);
    $nama_gudang = sanitizeInput($_POST['nama_gudang']);
    $lokasi = sanitizeInput($_POST['lokasi']);
    $sql = "UPDATE gudang SET nama_gudang='$nama_gudang', lokasi='$lokasi' WHERE kode_gudang='$kode_gudang'";
    if (mysqli_query($conn, $sql)) {
        echo "Data gudang berhasil diupdate.";
    } else {
        echo "Error: " . $sql . "<br>" . mysqli_error($conn);
    }
}

// Delete data
if (isset($_GET['delete'])) {
    $kode_gudang = sanitizeInput($_GET['delete']);
    $sql = "DELETE FROM gudang WHERE kode_gudang='$kode_gudang'";
    if (mysqli_query($conn, $sql)) {
        echo "Data gudang berhasil dihapus.";
    } else {
        echo "Error: " . $sql . "<br>" . mysqli_error($conn);
    }
}

// Edit data
if (isset($_GET['edit'])) {
    $kode_gudang = sanitizeInput($_GET['edit']);
    $sql = "SELECT * FROM gudang WHERE kode_gudang='$kode_gudang'";
    $result = mysqli_query($conn, $sql);
    $row = mysqli_fetch_assoc($result);
}
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Assignment 2</title>
</head>

<body>
<center>
    <h1>Data Data Gudang</h1>
    <h2>Tambah Gudang</h2>
    <form method="post">
        <label for="kode_gudang">Kode Gudang:</label><br>
        <input type="text" id="kode_gudang" name="kode_gudang"><br>
        <label for="nama_gudang">Nama Gudang:</label><br>
        <input type="text" id="nama_gudang" name="nama_gudang"><br>
        <label for="lokasi">Lokasi:</label><br>
        <input type="text" id="lokasi" name="lokasi"><br><br>
        <input type="submit" name="submit" value="Tambah">
    </form>

    <?php viewData(); ?>

    <?php if (isset($_GET['edit'])) : ?>
        <h2>Edit Gudang</h2>
        <form method="post">
            <input type="hidden" name="kode_gudang" value="<?php echo $row['kode_gudang']; ?>">
            <label for="nama_gudang">Nama Gudang:</label><br>
            <input type="text" id="nama_gudang" name="nama_gudang" value="<?php echo $row['nama_gudang']; ?>"><br>
            <label for="lokasi">Lokasi:</label><br>
            <input type="text" id="lokasi" name="lokasi" value="<?php echo $row['lokasi']; ?>"><br><br>
            <input type="submit" name="submit_edit" value="Simpan Perubahan">
        </form>
    <?php endif; ?>

</center>
</body>

</html>

<?php
// Close connection
mysqli_close($conn);
?>
```
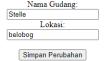
- Result

Data Data Gudang

Tambah Gudang

Kode Gudang:

Nama Gudang:

Lokasi:

[Tambah]

Daftar Gudang:

Kode Gudang	Nama Gudang	Lokasi	Action
G0001	Stelle	belobog	Edit | Delete
G0002	BlackSwan	penacony	Edit | Delete
G0003	Gepard	belobog	Edit | Delete

Edit Gudang

Nama Gudang:

Stelle

Lokasi:

belobog

[Simpan Perubahan]

** If there is a code that is difficult/cannot be understand. I have uploaded my code on my github.

** Untuk lebih jelas kodenya bisa lihat di github saya.

Link to My Github : https://github.com/Pidhhh/Praktikum-Web/tree/main/Modul_5