

Praktek 6

Input Data ke Database

Menjalankan query MySQL

- Untuk menjalankan query MySQL menggunakan PHP, pertama buatlah koneksi database :

```
<?php
$servername = "localhost";
$username = "root";
$password = "password";//dikosongkan bila tidak ada
$dbname = "nama_database";
// Membuat koneksi ke database
$conn = new mysqli($servername, $username, $password, $dbname);
// Cek Koneksi
if ($conn->connect_error) {
    die("Koneksi gagal: " . $conn->connect_error);
}
?>
```

Menjalankan query MySQL ...(2)

- Kemudian tuliskan query :

```
$sql = "INSERT INTO nama_tabel(field1, field2, ...)
VALUES (nilaiField1, nilaiField2, ...)";
```

- Menjalankan query :

```
$conn->query($sql);
```
- Menjalankan query sekaligus memeriksa apakah query benar

```
if ($conn->query($sql)) {
    echo "Query sukses dijalankan";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}
```

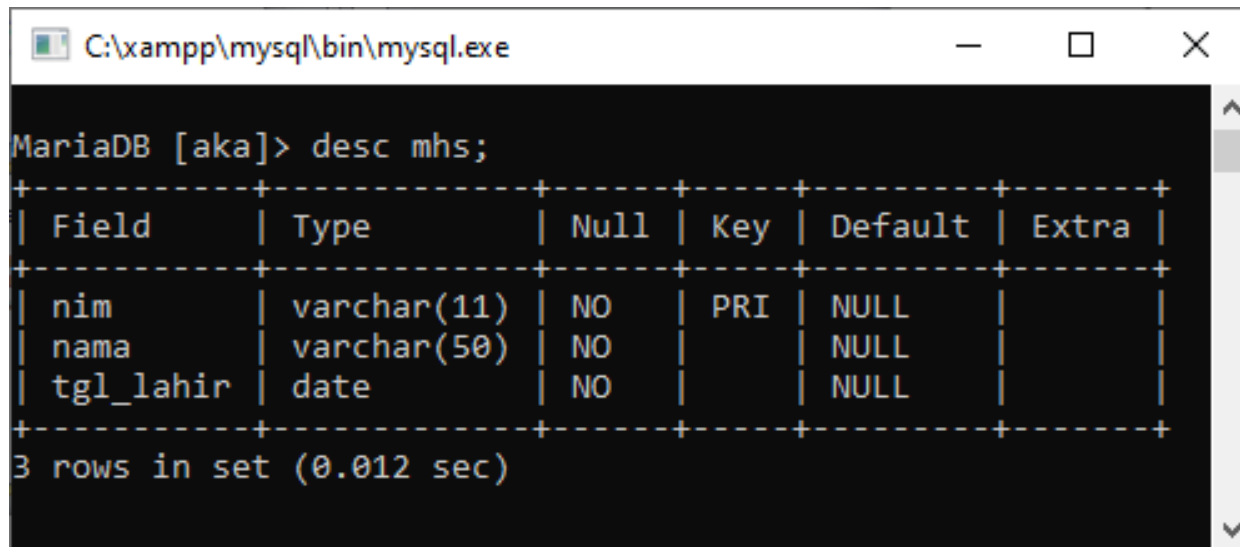
Menjalankan query MySQL ...(3)

- Skrip lengkapnya seperti ini:

```
<?php
$servername = "localhost";
$username = "root";
$password = "password";
$dbname = "nama_database";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Koneksi gagal: " . $conn->connect_error);
}
$sql = "INSERT INTO nama_tabel(field1, field2, ...)
VALUES (nilaiField1, nilaiField2, ...)";
if ($conn->query($sql)) {
    echo "Query sukses dijalankan";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}
$conn->close();
?>
```

Persiapan Latihan

- Pertama buatlah sebuah database **akademik**, kemudian buatlah tabel **mhs** dengan field seperti deskripsi berikut:



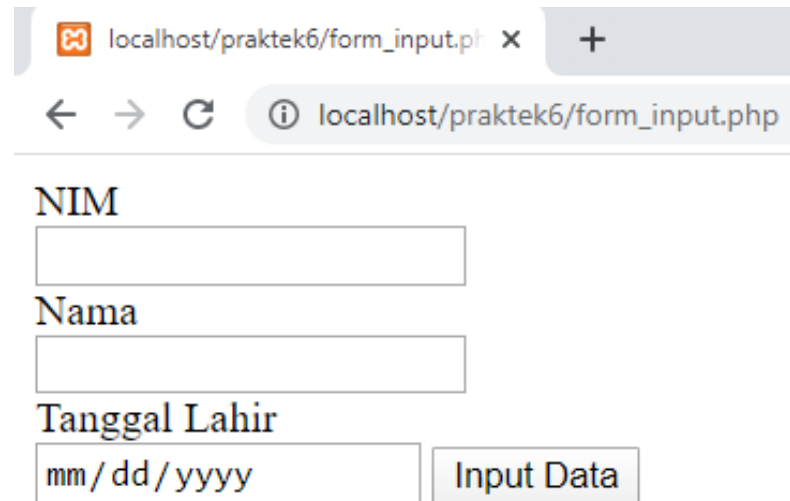
```
C:\xampp\mysql\bin\mysql.exe

MariaDB [aka]> desc mhs;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nim        | varchar(11)   | NO   | PRI | NULL    |       |
| nama       | varchar(50)   | NO   |     | NULL    |       |
| tgl_lahir  | date          | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.012 sec)
```

Latihan 1

- Membuat Form Input(**form_input.php**)

```
<form action="input.php" method="post">  
    NIM <br><input type="text" name="nim"><br>  
    Nama <br><input type="text" name="nama"><br>  
    Tanggal Lahir <br> <input type="date" name="tgl">  
    <input type="submit" value="Input Data">  
</form>
```



The screenshot shows a web browser window with the address bar displaying 'localhost/praktek6/form_input.php'. The form is rendered with the following elements:

- A label 'NIM' followed by a text input field.
- A label 'Nama' followed by a text input field.
- A label 'Tanggal Lahir' followed by a date input field showing the placeholder 'mm/dd/yyyy'.
- An 'Input Data' submit button.

Latihan 2

- Membuat file koneksi (**koneksi.php**)

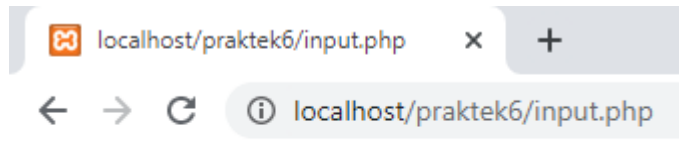
```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "akademik";
// Membuat koneksi ke database akademik
$conn = new mysqli($servername, $username, $password, $dbname);
// Cek Koneksi
if ($conn->connect_error) {
    die("Koneksi gagal: " . $conn->connect_error);
} //bila tak ada pesan error muncul berarti berhasil konek
?>
```

Latihan 3

- Membuat proses input (**input.php**)

```
<?php
include 'koneksi.php';//menyisipkan file koneksi.php
$sql = "INSERT INTO mhs
VALUE('$_POST[nim]','$_POST[nama]','$_POST[tgl]')";
if ($conn->query($sql)) {
    echo "Record baru berhasil ditambahkan";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}
$conn->close();
?>
```

- Kemudian isi form input, lalu click **tombol Input Data**



Record baru berhasil ditambahkan

A screenshot of a web browser window. The address bar shows 'localhost/praktek6/form_input.php'. The form contains three input fields: 'NIM' with the value '123', 'Nama' with the value 'Abc', and 'Tanggal Lahir' with the value '05/19/2000'. There is an 'Input Data' button next to the date field.

NIM
123

Nama
Abc

Tanggal Lahir
05/19/2000

Input Data

Latihan 4

- Tampilkan Data (**index.php**)

```
<?php
include 'koneksi.php';
$sql = "SELECT * FROM mhs";
$result = $conn->query($sql);
if ($result->num_rows > 0) {
    echo "<table border=1 style='border-collapse:collapse;'>
        <tr><th>NIM</th><th>Nama Mahasiswa</th><th>Tanggal Lahir</th></tr>";
    while($row = $result->fetch_assoc()) {
        echo "<tr><td>$row[nim]</td><td>$row[nama]</td><td>$row[tgl_lahir]</td></tr>";
    }
    echo "</table>";
} else {
    echo "0 results";
}
$conn->close();
?>
```



NIM	Nama Mahasiswa	Tanggal Lahir
123	Abc	2000-05-19

Latihan 5

- Tambahkan tombol tambah data baru pada **index.php**

```
<?php
<button><a href="form_input.php">Tambah Data</a></button>
include 'koneksi.php';
$sql = "SELECT * FROM mhs";
$result = $conn->query($sql);
if ($result->num_rows > 0) {
    echo "<table border=1 style='border-collapse:collapse;'>
        <tr><th>NIM</th><th>Nama Mahasiswa</th><th>Tanggal Lahir</th></tr>";
    while($row = $result->fetch_assoc()) {
        echo "<tr><td>$row[nim]</td><td>$row[nama]</td><td>$row[tgl_lahir]</td></tr>";
    }
    echo "</table>";
} else {
    echo "0 results";
}
$conn->close();
?>
```



Redirect Halaman

- Redirect halaman adalah mengalihkan halaman dari halaman yang satu ke halaman yang lain.
- Kita dapat menggunakan bahasa HTML, JavaScript, ataupun PHP untuk melakukan redirect.
- Pada materi ini kita akan menggunakan PHP.
- Skripnya :

```
header("location: lokasi_file_atau_URL");
```

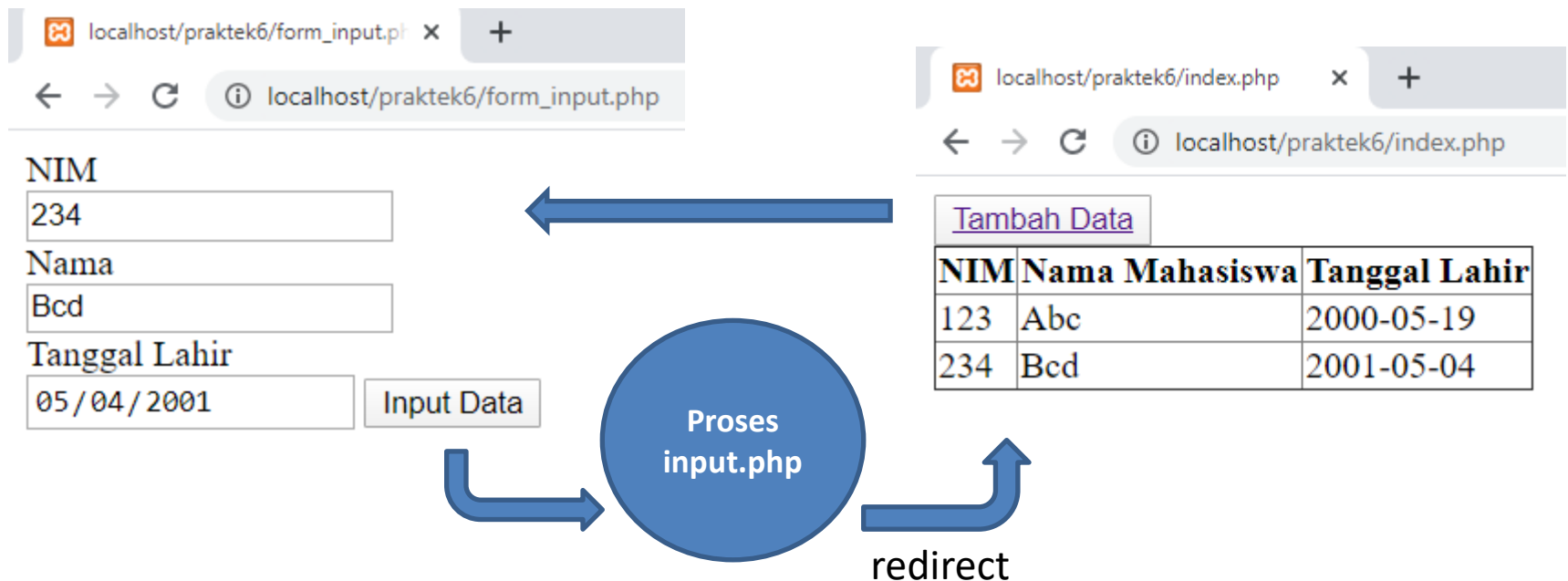
Latihan 6

- Tambahkan redirect pada proses (**input.php**)

```
<?php
include 'koneksi.php';
$sql = "INSERT INTO mhs
VALUE('$_POST[nim]', '$_POST[nama]', '$_POST[tgl]')";
if ($conn->query($sql)) {
    echo "Record baru berhasil ditambahkan";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}
$conn->close();
header("location: index.php");
?>
```

Latihan 6 ...(2)

- Hasilnya, setelah proses pada file **input.php** dijalankan, halaman web dialihkan ke halaman **index.php**



Referensi

- <https://www.php.net/>
- <https://www.w3schools.com/>

Sekian & Terima kasih

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