

## PHP

### 1. Latihan 1

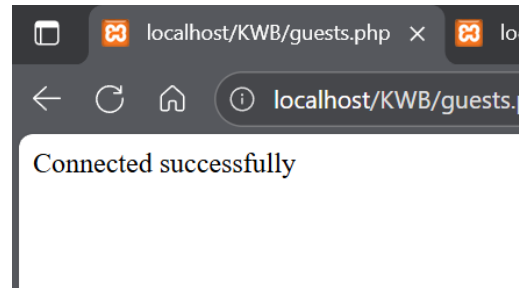
```
<?php
$servername = "localhost";
$username = "root";
$password = ""; // kosong, default
XAMPP

// Create connection
$conn = new mysqli($servername,
$username, $password, "informatika");

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn-
>connect_error);
}

echo "Connected successfully";

$conn->close();
?>
```



## 2. Latihan 2

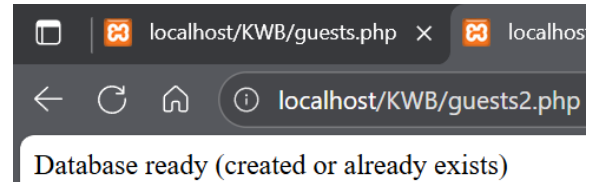
```
<?php
$servername = "localhost";
$username = "root";
$password = "";

// Buat koneksi
$conn = new mysqli($servername,
$username, $password);

// Cek koneksi
if ($conn->connect_error) {
    die("Connection failed: " . $conn-
>connect_error);
}

// Buat database (hanya jika belum
ada)
$sql = "CREATE DATABASE IF
NOT EXISTS informatika";
if ($conn->query($sql) === TRUE)
{
    echo "Database ready (created or
already exists)";
} else {
    echo "Error creating database: " .
$conn->error;
}

$conn->close();
?>
```



### 3. Latihan 3

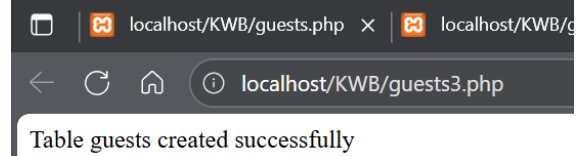
```
<?php
$servername = "localhost";
$username = "root";
$password = ""; // kosong,
karena root tidak punya
password
$dbname = "informatika";

// Buat koneksi ke MySQL
tanpa pilih database dulu
$conn = new
mysqli($servername,
$username, $password);

// Cek koneksi
if ($conn->connect_error) {
    die("Connection failed: " .
    $conn->connect_error);
}

// Buat database kalau belum
ada
$conn->query("CREATE
DATABASE IF NOT
EXISTS $dbname");

// Pilih database
$conn->select_db($dbname);
```



```
// Buat tabel kalau belum ada
$sql = "CREATE TABLE IF
NOT EXISTS guests (
    id INT(6) UNSIGNED
    AUTO_INCREMENT
    PRIMARY KEY,
    firstname VARCHAR(30)
    NOT NULL,
    lastname VARCHAR(30)
    NOT NULL,
    email VARCHAR(50),
    reg_date TIMESTAMP
    DEFAULT
    CURRENT_TIMESTAMP
    ON UPDATE
    CURRENT_TIMESTAMP
)";

if ($conn->query($sql) ===
TRUE) {
    echo "Table guests created
    successfully";
} else {
    echo "Error creating table:
    " . $conn->error;
}

$conn->close();
```

?>

#### 4. Latihan 4

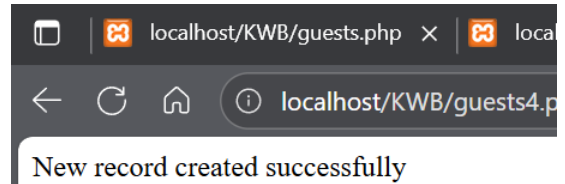
```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "informatika";

// Create connection
$conn = new
mysqli($servername,
$username, $password,
$dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " .
$conn->connect_error);
}

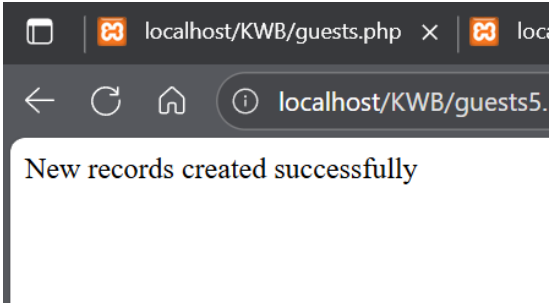
$sql = "INSERT INTO guests
(firstname, lastname, email)
VALUES ('John', 'Doe',
'john@example.com')";

if ($conn->query($sql) ===
TRUE) {
    echo "New record created
successfully";
} else {
    echo "Error: " . $sql . "<br> " .
$conn->error;
```



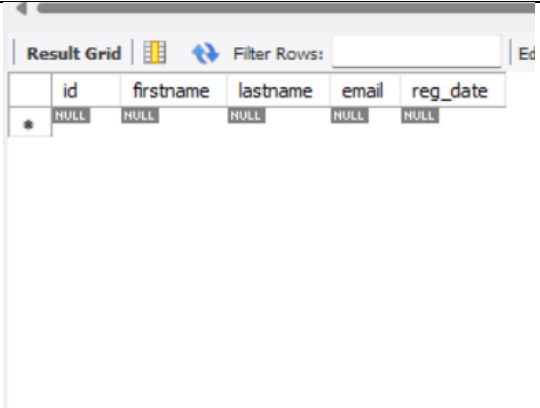
<pre>         }  \$conn-&gt;close(); ?&gt; </pre>	
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## 5. Latihan 5

<pre> &lt;?php \$servername = "localhost"; \$username = "root"; \$password = ""; \$dbname = "informatika";  \$conn = new mysqli(\$servername, \$username, \$password, \$dbname);  // Check connection if (\$conn-&gt;connect_error) {     die("Connection failed: " . \$conn-&gt;connect_error); }  \$sql = " INSERT INTO guests (firstname, lastname, email) VALUES ('John', 'Doe', 'john@example.com'); INSERT INTO guests (firstname, lastname, email) </pre>	 <p>The screenshot shows a web browser window with the address bar displaying 'localhost/KWB/guests.php'. Below the address bar, a message box states 'New records created successfully'.</p>
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<pre>VALUES ('Mary', 'Moe', 'mary@example.com'); INSERT INTO guests (firstname, lastname, email) VALUES ('Julie', 'Dooley', 'julie@example.com'); ";  if (\$conn-&gt;multi_query(\$sql) === TRUE) {     echo "New records created successfully"; } else {     echo "Error: " . \$sql . "&lt;br&gt;" . \$conn-&gt;error; }  \$conn-&gt;close();  ?&gt;</pre>	
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## 6. SQL

<pre>create database informatika; use informatika;  CREATE TABLE guests (     id INT(6) UNSIGNED NOT NULL AUTO_INCREMENT,     firstname VARCHAR(30) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL,</pre>	 <p>The screenshot shows a 'Result Grid' window from a database client. It has a 'Filter Rows' input field and a 'Filter Rows' button. Below the header, there is a table with 5 columns: 'id', 'firstname', 'lastname', 'email', and 'reg_date'. The first row of data shows all five columns as 'NULL'.</p>
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<pre>        lastname    VARCHAR(30)         CHARACTER SET utf8mb4         COLLATE utf8mb4_general_ci         NOT NULL,         email        VARCHAR(50)         CHARACTER SET utf8mb4         COLLATE utf8mb4_general_ci,         reg_date      TIMESTAMP         DEFAULT         CURRENT_TIMESTAMP,         PRIMARY KEY (id)     );  SELECT * FROM guests;</pre>	
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