

1. Example of Database Schema (Figure 3-1)

Example schema for a Users database table

Database name: test_db

Table name: users

id	name	email	age
1	geta	geta@gmail.com	30
2	hana	hana@gmail.com	10
3	abel	abel@gmail.com	9

project/

- db.php
- form.html
- processing.php
- display.php

SQL to create this table:

```
CREATE DATABASE test_db;

USE test_db;

CREATE TABLE users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    email VARCHAR(100),
    age INT
);
```

CONNECT DATABASE(db.php)

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

```
$password = "";
$dbname = "test_db";

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

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

Create → Insert → Select → Close Connection

(Processing.php)

```
<?php
include 'db.php';

if(isset($_POST['submit']))
{
    $name = $_POST['name'];
    $email = $_POST['email'];
    $age = $_POST['age'];

    $sql = "INSERT INTO users (name, email, age)
        VALUES ('$name', '$email', '$age)";
    if($conn->query($sql) === TRUE){
        echo "New record inserted successfully";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }

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

Create html form

```
<!DOCTYPE html>
<html>
<head>
  <title>User Form</title>
</head>
<style>
  form{
    border: green solid 3px;
    border-radius: 10px;
    background-color: black;
    color: orange;
    margin: 100px;
  }
</style>
<body>
<h2>User Registration</h2>
<form action="processing.php" method="POST">
  Name: <input type="text" name="name" required><br><br>
  Email: <input type="email" name="email" required><br><br>
  Age: <input type="number" name="age" required><br><br>
  <input type="submit" name="submit" value="Save User">
</form>

</body>
</html>
```