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**C334 – IT**

**WSTL31C**

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### Instructions:

- Create a database using MySQL
- Maximum of 100 data and minimum of 50 person that validate and capture from your form.
- It must be locally hosted (using XAMPP as server)

### Answer (Source Codes and Screenshots):

This screenshot shows the MySQL phpMyAdmin interface. The left sidebar lists databases like 'form', 'form\_activity', 'form\_data', and 'test'. The main area shows the 'form\_activity' table with 51 rows. Each row contains fields: id, full\_name, email, age, gender, and created\_at. The data includes names like Marc Dave U. Ofilanda, Sharon Morris, Jason Sanchez, etc., with various email addresses and birth dates.

This screenshot shows a registration form on the left and a table of database records on the right. The registration form has fields for Full Name, Email, Age, and Gender, with a 'Submit Data' button. The database table on the right is titled 'Database Records (Total: 50)' and lists 50 entries with columns for ID, Name, Email, Age, and Gender. The data matches the records in the MySQL table.

This screenshot shows the registration form after data has been submitted. A green success message 'Data captured successfully!' is displayed. The form fields show the entered data: Full Name (Marc Dave U. Ofilanda), Email (ofilandamarc@mail.ph), Age (21), and Gender (Male). Below the form is a table titled 'Database Records (Total: 51)' showing all 51 records from the MySQL table.

This screenshot shows the MySQL phpMyAdmin interface again, this time with the 'form\_activity' table having 51 records. The table structure is identical to the one in the first screenshot, showing columns for id, full\_name, email, age, gender, and created\_at. The data is identical to the previous screenshots.

## Source Code (index.php)

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "form_activity_db";  
  
$conn = new mysqli($servername, $username, $password, $dbname);  
  
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}  
$message = "";  
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    $full_name = $_POST['full_name'];  
    $email = $_POST['email'];  
    $age = $_POST['age'];  
    $gender = $_POST['gender'];  
  
    if (!empty($full_name) && !empty($email) && !empty($age)) {  
        $stmt = $conn->prepare("INSERT INTO users (full_name, email, age, gender) VALUES (?, ?, ?, ?)");  
        $stmt->bind_param("ssis", $full_name, $email, $age, $gender);  
  
        if ($stmt->execute()) {  
            $message = "<p class='success'>Data captured successfully!</p>";  
        } else {  
            $message = "<p class='error'>Error: " . $stmt->error . "</p>";  
        }  
        $stmt->close();  
    } else {  
        $message = "<p class='error'>All fields are required!</p>";  
    }  
}  
  
$sql = "SELECT * FROM users ORDER BY id DESC";  
$result = $conn->query($sql);  
?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>OFILANDA_Form Capture & Database</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="container">
    <div class="form-section">
        <h2>Registration Form</h2>
        <?php echo $message; ?>
        <form method="POST" action="index.php">
            <label>Full Name:</label>
            <input type="text" name="full_name" required placeholder="Enter full name">

            <label>Email:</label>
            <input type="email" name="email" required placeholder="Enter email">

            <label>Age:</label>
            <input type="number" name="age" min="1" max="100" required placeholder="Age">

            <label>Gender:</label>
            <select name="gender">
                <option value="Male">Male</option>
                <option value="Female">Female</option>
                <option value="Other">Other</option>
            </select>

            <button type="submit">Submit Data</button>
        </form>
    </div>

    <div class="data-section">
        <h2>Database Records (Total: <?php echo $result->num_rows; ?>)</h2>
        <table>
```

```

<thead>
    <tr>
        <th>ID</th>
        <th>Name</th>
        <th>Email</th>
        <th>Age</th>
        <th>Gender</th>
    </tr>
</thead>
<tbody>
    <?php
    if ($result->num_rows > 0) {
        while($row = $result->fetch_assoc()) {
            echo "<tr>
                    <td>" . $row["id"] . "</td>
                    <td>" . $row["full_name"] . "</td>
                    <td>" . $row["email"] . "</td>
                    <td>" . $row["age"] . "</td>
                    <td>" . $row["gender"] . "</td>
                </tr>";
        }
    } else {
        echo "<tr><td colspan='5'>No data found</td></tr>";
    }
    ?>
</tbody>
</table>
</div>
</div>

</body>
</html>

<?php $conn->close(); ?>

```

### Source Code (style.css)

```
body {  
    font-family: Arial, sans-serif;  
    background-color: #f4f4f4;  
    margin: 0;  
    padding: 20px;  
}
```

```
.container {  
    display: flex;  
    gap: 20px;  
    max-width: 1000px;  
    margin: 0 auto;  
}
```

```
.form-section {  
    flex: 1;  
    background: white;  
    padding: 20px;  
    border-radius: 8px;  
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);  
    height: fit-content;  
}
```

```
.data-section {  
    flex: 2;  
    background: white;  
    padding: 20px;
```

```
border-radius: 8px;  
box-shadow: 0 2px 5px rgba(0,0,0,0.1);  
max-height: 80vh;  
overflow-y: auto;  
}
```

```
input, select, button {  
    width: 100%;  
    padding: 10px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
    box-sizing: border-box;  
}
```

```
button {  
    background-color: #28a745;  
    color: white;  
    border: none;  
    cursor: pointer;  
    font-size: 16px;  
}
```

```
button:hover {  
    background-color: #218838;  
}
```

```
table {  
    width: 100%;
```

```
border-collapse: collapse;  
}  
  
th, td {  
    padding: 10px;  
    border-bottom: 1px solid #ddd;  
    text-align: left;  
}  
  
th {  
    background-color: #007bff;  
    color: white;  
    position: sticky;  
    top: 0;  
}  
  
.success { color: green; font-weight: bold; }  
.error { color: red; font-weight: bold; }  
  
@media (max-width: 768px){  
    .container { flex-direction: column; }  
}
```