Web-Tech Sessional 3

Name: Abhishek Kumar
Roll No: 2201331540009
Branch: Data Science
Section: A
Workshop Lab Number: 101B

Ans1)

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Employee Registration</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f2f2f2;
            margin: 0;
            padding: 0;
        }
        .container {
            width: 50%;
            margin: 50px auto;
            background-color: #fff;
            padding: 20px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
        h2 {
            text-align: center;
        }
        form {
            display: flex;
            flex-direction: column;
        }
        input, textarea {
            margin-bottom: 15px;
            padding: 10px;
            border: 1px solid #ccc;
            border-radius: 4px;
            font-size: 16px;
```

```
            }
        input[type="submit"] {
            background-color: #4CAF50;
            color: white;
            border: none;
            cursor: pointer;
        }
        input[type="submit"]:hover {
            background-color: #45a049;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Employee Registration Form</h2>
        <form id="employeeForm" action="registration.php" method="post"
onsubmit="return validateForm()">
            <label for="full_name">Full Name:</label>
            <input type="text" id="full_name" name="full_name" required>

            <label for="designation">Designation:</label>
            <input type="text" id="designation" name="designation" required>

            <label for="date_of_joining">Date of Joining:</label>
            <input type="date" id="date_of_joining" name="date_of_joining" required>

            <label for="phone_no">Phone Number:</label>
            <input type="text" id="phone_no" name="phone_no" required>

            <label for="email">Email:</label>
            <input type="email" id="email" name="email" required>

            <label for="address">Address:</label>
            <textarea id="address" name="address" rows="4" required></textarea>

            <input type="submit" value="Register">
        </form>
    </div>

    <script>
        function validateForm() {
            var phone = document.getElementById("phone_no").value;
            var email = document.getElementById("email").value;
            var phonePattern = /^[0-9]{10}$/;
            var emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
```

```php
            if (!phonePattern.test(phone)) {
                alert("Please enter a valid 10-digit phone number.");
                return false;
            }

            if (!emailPattern.test(email)) {
                alert("Please enter a valid email address.");
                return false;
            }

            return true;
        }
    </script>
</body>
</html>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $full_name = $_POST['full_name'];
    $designation = $_POST['designation'];
    $date_of_joining = $_POST['date_of_joining'];
    $phone_no = $_POST['phone_no'];
    $email = $_POST['email'];
    $address = $_POST['address'];

    // Database connection
    $conn = new mysqli('localhost', 'root', '', 'Employee');

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

    $sql = "INSERT INTO Employee_record (full_name, designation, date_of_joining,
phone_no, email, address)
            VALUES ('$full_name', '$designation', '$date_of_joining', '$phone_no',
'$email', '$address')";

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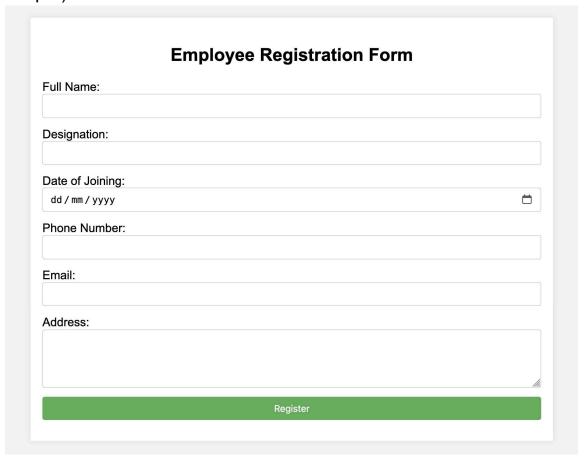
```
    $conn->close();
}
?>
```

MySQL)

```sql
CREATE DATABASE Employee;

USE Employee;

CREATE TABLE Employee_record (
    id INT AUTO_INCREMENT PRIMARY KEY,
    full_name VARCHAR(100) NOT NULL,
    designation VARCHAR(50) NOT NULL,
    date_of_joining DATE NOT NULL,
    phone_no VARCHAR(15) NOT NULL,
    email VARCHAR(100) NOT NULL,
    address TEXT NOT NULL
);
```

Output)

Employee Registration Form

Full Name:

Designation:

Date of Joining:

dd / mm / yyyy

Phone Number:

Email:

Address:

Register

Ans2)

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Page</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f2f2f2;
            margin: 0;
            padding: 0;
        }
        .container {
            width: 30%;
```

```css
            margin: 100px auto;
            background-color: #fff;
            padding: 20px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
        h2 {
            text-align: center;
        }
        form {
            display: flex;
            flex-direction: column;
        }
        input {
            margin-bottom: 15px;
            padding: 10px;
            border: 1px solid #ccc;
            border-radius: 4px;
            font-size: 16px;
        }
        input[type="submit"] {
            background-color: #4CAF50;
            color: white;
            border: none;
            cursor: pointer;
        }
        input[type="submit"]:hover {
            background-color: #45a049;
        }
        .error {
            color: red;
            text-align: center;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Login Form</h2>
        <form id="loginForm" action="login.php" method="post" onsubmit="return
validateForm()">
            <label for="username">Username:</label>
            <input type="text" id="username" name="username" required>

            <label for="password">Password:</label>
            <input type="password" id="password" name="password" required>
```

```php
                <input type="submit" value="Login">
        </form>
        <?php if (isset($error)) { echo "<p class='error'>$error</p>"; } ?>
    </div>

    <script>
        function validateForm() {
            var username = document.getElementById("username").value;
            var password = document.getElementById("password").value;

            if (username === "" || password === "") {
                alert("Both fields are required.");
                return false;
            }
            return true;
        }
    </script>
</body>
</html>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = $_POST['username'];
    $password = $_POST['password'];

    // Database connection
    $conn = new mysqli('localhost', 'root', '', 'Employee');

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

    // Prepare and bind
    $stmt = $conn->prepare("SELECT password FROM Employee_login WHERE username =
?");
    $stmt->bind_param("s", $username);
    $stmt->execute();
    $stmt->store_result();

    if ($stmt->num_rows > 0) {
        $stmt->bind_result($hashed_password);
        $stmt->fetch();

        if (password_verify($password, $hashed_password)) {
```

```php
            echo "<script>alert('Welcome, $username!');</script>";
        } else {
            $error = "Invalid username or password.";
        }
    } else {
        $error = "Invalid username or password.";
    }

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


<?php
// Example of inserting a new user with a hashed password
$username = 'exampleUser';
$password = password_hash('examplePassword', PASSWORD_BCRYPT);


$conn = new mysqli('localhost', 'root', '', 'Employee');

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

$sql = "INSERT INTO Employee_login (username, password) VALUES ('$username',
'$password')";

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

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

MySQL)

```sql
USE Employee;

CREATE TABLE Employee_login (
    id INT AUTO_INCREMENT PRIMARY KEY,
```

```
    username VARCHAR(50) NOT NULL,
    password VARCHAR(255) NOT NULL
);
```

Output)

Login Form

Username:

Password:

Login

Ans4)

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>File Handling Operations</title>
</head>
<body>

<h2>File Handling Operations</h2>
```

```php
<!-- Reading from a File -->
<h3>Reading from example_copy.txt:</h3>
<?php
$filename = "example_copy.txt";
if (file_exists($filename)) {
    $file = fopen($filename, "r") or die("Unable to open file!");
    echo nl2br(fread($file, filesize($filename)));
    fclose($file);
} else {
    echo "File does not exist.";
}
?>


<hr>


<!-- Writing to a File -->
<h3>Writing to sample.txt:</h3>
<?php
$filename = "sample.txt";
$file = fopen($filename, "w") or die("Unable to open file!");
$text = "Welcome in the world of machine learning.";
fwrite($file, $text);
fclose($file);
echo "File written successfully.";
?>


<hr>


<!-- Appending to a File -->
<h3>Appending to example.txt:</h3>
<?php
$filename = "example.txt";
$file = fopen($filename, "a") or die("Unable to open file!");
$text = "This is an appended message.";
fwrite($file, $text);
fclose($file);
echo "File appended successfully.";
?>


<hr>


<!-- Copying a File -->
<h3>Copying example.txt to example_copy.txt:</h3>
<?php
$sourceFile = "example.txt";
```

```php
$destinationFile = "example_copy.txt";

if (file_exists($sourceFile)) {
    if (copy($sourceFile, $destinationFile)) {
        echo "File copied successfully.";
    } else {
        echo "Error copying file.";
    }
} else {
    echo "Source file does not exist.";
}
?>

<hr>

<!-- Deleting a File -->
<h3>Deleting example_copy.txt:</h3>
<?php
$filename = "example_copy.txt";

if (file_exists($filename)) {
    if (unlink($filename)) {
        echo "File deleted successfully.";
    } else {
        echo "Error deleting file.";
    }
} else {
    echo "File does not exist.";
}
?>

<hr>

<!-- Renaming a File -->
<h3>Renaming sample.txt to renamed_sample.txt:</h3>
<?php
$oldName = "sample.txt";
$newName = "renamed_sample.txt";

if (file_exists($oldName)) {
    if (rename($oldName, $newName)) {
        echo "File renamed successfully.";
    } else {
        echo "Error renaming file.";
    }
}
```

```php
} else {
    echo "File does not exist.";
}
?>


</body>
</html>
```

Ans5)

```php
<?php
// Database connection details
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "assesment3";

// Step 1: Create Database
$conn = new mysqli($servername, $username, $password);

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

// Create database
$sql = "CREATE DATABASE IF NOT EXISTS $dbname";
if ($conn->query($sql) === TRUE) {
    echo "Database 'assesment3' created successfully<br>";
} else {
    echo "Error creating database: " . $conn->error . "<br>";
}

// Close connection
$conn->close();

// Step 2: Create Table
$conn = new mysqli($servername, $username, $password, $dbname);

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

```php
}

// Create table
$sql = "CREATE TABLE IF NOT EXISTS student (
    Stu_id INT(11) AUTO_INCREMENT PRIMARY KEY,
    Stu_name VARCHAR(50) NOT NULL,
    Stu_roll VARCHAR(20) NOT NULL,
    Stu_email VARCHAR(50) NOT NULL
)";

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

// Step 3: Insert Records
for ($i = 1; $i <= 20; $i++) {
    $name = "Student_$i";
    $roll = "Roll_$i";
    $email = "student$i@example.com";

    $sql = "INSERT INTO student (Stu_name, Stu_roll, Stu_email)
            VALUES ('$name', '$roll', '$email')";

    if ($conn->query($sql) === TRUE) {
        echo "Record $i inserted successfully<br>";
    } else {
        echo "Error inserting record $i: " . $conn->error . "<br>";
    }
}

// Step 4: Display Records
$sql = "SELECT Stu_id, Stu_name, Stu_roll, Stu_email FROM student";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    echo "<h2>Student Records</h2>";
    echo "<table border='1' cellpadding='10'>";
    echo "<tr><th>ID</th><th>Name</th><th>Roll</th><th>Email</th></tr>";

    // Output data of each row
    while ($row = $result->fetch_assoc()) {
        echo "<tr>";
        echo "<td>" . $row["Stu_id"] . "</td>";
```

```php
        echo "<td>" . $row["Stu_name"] . "</td>";
        echo "<td>" . $row["Stu_roll"] . "</td>";
        echo "<td>" . $row["Stu_email"] . "</td>";
        echo "</tr>";
    }
    echo "</table>";
} else {
    echo "No records found.";
}

// Close connection
$conn->close();
?>
```