

BOOTSTRAP

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Q1. Design the student bio-data form using button, label, textbox, radio button, table and checkbox.**CODE:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Bio-Data Form</title>
  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
  <div class="container my-5">
    <h2 class="text-center mb-4">Student Bio-Data Form</h2>
    <form>
      <!-- Personal Information -->
      <div class="mb-3">
        <label for="name" class="form-label">Full Name</label>
        <input type="text" class="form-control" id="name" placeholder="Enter your full name">
      </div>
      <div class="mb-3">
        <label for="email" class="form-label">Email</label>
        <input type="email" class="form-control" id="email" placeholder="Enter your email">
      </div>
      <div class="mb-3">
        <label for="phone" class="form-label">Phone Number</label>
        <input type="tel" class="form-control" id="phone" placeholder="Enter your phone
number">
      </div>

      <!-- Gender Selection -->
      <div class="mb-3">
        <label class="form-label">Gender</label><br>
        <div class="form-check form-check-inline">
          <input class="form-check-input" type="radio" name="gender" id="male"
value="male">
          <label class="form-check-label" for="male">Male</label>
        </div>
        <div class="form-check form-check-inline">
          <input class="form-check-input" type="radio" name="gender" id="female"
value="female">
          <label class="form-check-label" for="female">Female</label>
        </div>
      </div>
    </form>
  </div>
</body>
</html>
```

```

        <input class="form-check-input" type="radio" name="gender" id="other"
value="other">
        <label class="form-check-label" for="other">Other</label>
    </div>
</div>

<!-- Address -->
<div class="mb-3">
    <label for="address" class="form-label">Address</label>
    <textarea class="form-control" id="address" rows="3" placeholder="Enter your
address"></textarea>
</div>

<!-- Hobbies -->
<div class="mb-3">
    <label class="form-label">Hobbies</label><br>
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value="reading" id="reading">
        <label class="form-check-label" for="reading">Reading</label>
    </div>
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value="sports" id="sports">
        <label class="form-check-label" for="sports">Sports</label>
    </div>
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value="music" id="music">
        <label class="form-check-label" for="music">Music</label>
    </div>
</div>

<!-- Academic Information -->
<label class="form-label">Academic Records</label>
<table class="table table-bordered">
    <thead class="table-dark">
        <tr>
            <th>Degree</th>
            <th>Year of Completion</th>
            <th>Percentage/CGPA</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td><input type="text" class="form-control" placeholder="Enter degree"></td>
            <td><input type="text" class="form-control" placeholder="Enter year"></td>
            <td><input type="text" class="form-control" placeholder="Enter
percentage/CGPA"></td>
        </tr>
    </tbody>
</table>

<!-- Submit Button -->
<div class="text-center">

```

```

        <button type="submit" class="btn btn-primary">Submit</button>
        <button type="reset" class="btn btn-secondary">Reset</button>
    </div>
</form>
</div>

<!-- Bootstrap JS -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></
script>
</body>
</html>

```

OUTPUT:

The screenshot shows a web browser window with the address bar displaying 'file:///home/wpb2/220905524/week2/q1.html'. The page title is 'Student Bio-Data Form'. The form contains the following fields and sections:

- Full Name:** A text input field with placeholder text 'Enter your full name'.
- Email:** A text input field with placeholder text 'Enter your email'.
- Phone Number:** A text input field with placeholder text 'Enter your phone number'.
- Gender:** Radio buttons for 'Male', 'Female', and 'Other'.
- Address:** A text input field with placeholder text 'Enter your address'.
- Hobbies:** Checkboxes for 'Reading', 'Sports', and 'Music'.
- Academic Records:** A table with three columns: 'Degree', 'Year of Completion', and 'Percentage/CGPA'. Each column has a corresponding text input field below it.

At the bottom of the form, there are two buttons: 'Submit' (blue) and 'Reset' (grey).

Q2. Design a web page which shows the database oriented CRUD operation.
Consider Employee data.

CODE:

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Employee Data CRUD</title>
<style>
body {
font-family: Arial, sans-serif;
margin: 0;
padding: 20px;
background-color: #f4f4f4;

```

```
}
```

```
h1 {  
text-align: center;  
}
```

```
.container {  
width: 70%;  
margin: auto;  
padding: 20px;  
background-color: white;  
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}
```

```
.form-container {  
margin-bottom: 20px;  
}
```

```
.form-container input[type="text"],  
.form-container input[type="email"],  
.form-container input[type="number"],  
.form-container button {  
width: 100%;  
padding: 10px;  
margin-bottom: 10px;  
border: 1px solid #ddd;  
border-radius: 4px;  
}
```

```
button {  
background-color: #4CAF50;  
color: white;  
cursor: pointer;  
}
```

```
button:hover {  
background-color: #45a049;  
}
```

```
table {  
width: 100%;  
border-collapse: collapse;  
margin-top: 20px;  
}
```

```
table, th, td {  
border: 1px solid #ddd;  
}
```

```
th, td {  
padding: 10px;  
text-align: left;
```

```
}
```

```
th {  
background-color: #f2f2f2;  
}
```

```
.actions button {  
padding: 5px 10px;  
margin-right: 5px;  
border: none;  
color: white;  
cursor: pointer;  
}
```

```
.edit-btn {  
background-color: #ff9800;  
}
```

```
.delete-btn {  
background-color: #f44336;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<h1>Employee Data CRUD</h1>
```

```
<!-- Form for adding/updating employee -->
```

```
<div class="form-container">
```

```
<h2>Employee Form</h2>
```

```
<form id="employeeForm">
```

```
<input type="hidden" id="employeeId"> <!-- Hidden input for employee ID during edit -->
```

```
<label for="empName">Employee Name:</label>
```

```
<input type="text" id="empName" placeholder="Enter employee name" required>
```

```
<label for="empEmail">Email:</label>
```

```
<input type="email" id="empEmail" placeholder="Enter employee email" required>
```

```
<label for="empPosition">Position:</label>
```

```
<input type="text" id="empPosition" placeholder="Enter employee position" required>
```

```
<label for="empSalary">Salary:</label>
```

```
<input type="number" id="empSalary" placeholder="Enter employee salary" required>
```

```
<button type="submit">Submit</button>
```

```
</form>
```

```
</div>
```

```
<!-- Table to display employee data -->
```

```
<div class="table-container">
```

```

<h2>Employee Records</h2>
<table id="employeeTable">
  <thead>
    <tr>
      <th>Name</th>
      <th>Email</th>
      <th>Position</th>
      <th>Salary</th>
      <th>Actions</th>
    </tr>
  </thead>
  <tbody>
    <!-- Employee records will be displayed here -->
  </tbody>
</table>
</div>
</div>

<script>
let employees = [
  { id: 1, name: 'John Doe', email: 'john@example.com', position: 'Developer', salary: 50000 },
  { id: 2, name: 'Jane Smith', email: 'jane@example.com', position: 'Manager', salary: 60000 }
];

function displayEmployeeData() {
  const tableBody = document.querySelector('#employeeTable tbody');
  tableBody.innerHTML = '';
  employees.forEach(emp => {
    const row = tableBody.insertRow();
    row.innerHTML = `
      <td>${emp.name}</td>
      <td>${emp.email}</td>
      <td>${emp.position}</td>
      <td>${emp.salary}</td>
      <td class="actions">
        <button class="edit-btn" onclick="editEmployee(${emp.id})">Edit</button>
        <button class="delete-btn" onclick="deleteEmployee(${emp.id})">Delete</button>
      </td>
    `;
  });
}

document.getElementById('employeeForm').addEventListener('submit', function(event) {
  event.preventDefault();

  const employeeId = document.getElementById('employeeId').value;
  const name = document.getElementById('empName').value;
  const email = document.getElementById('empEmail').value;
  const position = document.getElementById('empPosition').value;
  const salary = document.getElementById('empSalary').value;

  if (employeeId) {

```

```

const employeeIndex = employees.findIndex(emp => emp.id == employeeId);
if (employeeIndex !== -1) {
  employees[employeeIndex] = { id: employeeId, name, email, position, salary };
} else {
  const newEmployee = {
    id: employees.length + 1,
    name,
    email,
    position,
    salary
  };
  employees.push(newEmployee);
}

document.getElementById('employeeForm').reset();
document.getElementById('employeeId').value = "";
displayEmployeeData();
});

function editEmployee(id) {
  const employee = employees.find(emp => emp.id === id);
  if (employee) {
    document.getElementById('empName').value = employee.name;
    document.getElementById('empEmail').value = employee.email;
    document.getElementById('empPosition').value = employee.position;
    document.getElementById('empSalary').value = employee.salary;
    document.getElementById('employeeId').value = employee.id;
  }
}

function deleteEmployee(id) {
  employees = employees.filter(emp => emp.id !== id);
  displayEmployeeData();
}

displayEmployeeData();
</script>
</body>
</html>

```

PTO
OUTPUT:

The screenshot shows a web browser window with the address bar displaying 'file:///home/wpb2/220905524/week2/q2.html'. The page content is titled 'Employee Data CRUD' and is divided into two main sections: 'Employee Form' and 'Employee Records'.

Employee Form

Employee Name:

Email:

Position:

Salary:

Employee Records

Name	Email	Position	Salary	Actions
John Doe	john@example.com	Developer	50000	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Jane Smith	jane@example.com	Manager	60000	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Q3. Create a web page using bootstrap as mentioned. Divide the page in to 2 parts top and bottom, then divide the bottom into 3 parts and design each top and bottom part using different input groups, input, badges, buttons and button groups. Make the design more attractive.

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Bootstrap Page</title>
<!-- Bootstrap CSS -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">
<style>
body {
background-color: #f8f9fa;
}
.container {
margin-top: 30px;
}
.top-section {
```



```

background-color: #e9ecef;
padding: 20px;
border-radius: 8px;
}
.bottom-section {
margin-top: 20px;
}
.bottom-part {
background-color: #fff;
padding: 15px;
border-radius: 8px;
box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
}
.btn-custom {
margin-top: 10px;
}
</style>
</head>
<body>

<div class="container">
<!-- Top Section -->
<div class="top-section">
<h4>Top Section</h4>
<div class="input-group mb-3">
<span class="input-group-text" id="basic-addon1">@</span>
<input type="text" class="form-control" placeholder="Username" aria-label="Username" aria-
describedby="basic-addon1">
<button class="btn btn-primary">Submit</button>
<span class="badge bg-success ms-2">Active</span>
</div>
</div>

<!-- Bottom Section -->
<div class="row bottom-section">
<!-- Bottom Part 1 -->
<div class="col-md-4 bottom-part">
<h5>Part 1: Input and Buttons (LEFT)</h5>
<div class="input-group mb-3">
<input type="text" class="form-control" placeholder="Enter your name">
<button class="btn btn-outline-primary">Search</button>
</div>
</div>

<!-- Bottom Part 2 -->
<div class="col-md-4 bottom-part">
<h5>Part 2: Badge and Buttons (MIDDLE)</h5>
<div class="d-flex justify-content-between">
<button class="btn btn-info">Info <span class="badge bg-dark">4</span></button>
<button class="btn btn-warning">Warning</button>
<button class="btn btn-danger">Danger</button>
</div>

```

</div>

<!-- Bottom Part 3 -->

<div class="col-md-4 bottom-part">

<h5>Part 3: Button Group (RIGHT)</h5>

<div class="btn-group" role="group" aria-label="Basic example">

<button type="button" class="btn btn-outline-primary">Left</button>

<button type="button" class="btn btn-outline-secondary">Middle</button>

<button type="button" class="btn btn-outline-success">Right</button>

</div>

</div>

</div>

</div>

<!-- Bootstrap JS -->

<script

src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

OUTPUT:

