WEB PROGRAMMING LAB-3 LAB EXERCISES

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ROLL NO : 04

SECTION : CSE A1

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Question 1:

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

Code:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Student Bio-Data Form</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">

</head>
<body class="bg-light">

<div class="container mt-5">
```

```html
<div class="card shadow p-4">
  <h2 class="text-center mb-4">Student Bio-Data Form</h2>

  <div class="mb-3">
    <label class="form-label">Full Name</label>
    <input type="text" class="form-control" placeholder="Enter your name">
  </div>

  <div class="mb-3">
    <label class="form-label">Register Number</label>
    <input type="text" class="form-control" placeholder="Enter register number">
  </div>

  <div class="mb-3">
    <label class="form-label">Email ID</label>
    <input type="email" class="form-control" placeholder="Enter email">
  </div>

  <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">
      <label class="form-check-label">Male</label>
    </div>

    <div class="form-check form-check-inline">
      <input class="form-check-input" type="radio" name="gender">
      <label class="form-check-label">Female</label>
    </div>
  </div>

  <div class="mb-3">
```

```html
<label class="form-label">Skills</label><br>

<div class="form-check form-check-inline">
  <input class="form-check-input" type="checkbox">
  <label class="form-check-label">C</label>
</div>

<div class="form-check form-check-inline">
  <input class="form-check-input" type="checkbox">
  <label class="form-check-label">Java</label>
</div>

<div class="form-check form-check-inline">
  <input class="form-check-input" type="checkbox">
  <label class="form-check-label">Python</label>
</div>
</div>

<div class="mb-3">
  <label class="form-label">Address</label>
  <textarea class="form-control" rows="3"></textarea>
</div>

<div class="text-center mb-4">
  <button class="btn btn-primary">Submit</button>
  <button class="btn btn-secondary">Reset</button>
</div>

<h4 class="text-center mb-3">Educational Qualification</h4>

<table class="table table-bordered table-striped text-center">
  <thead class="table-dark">
    <tr>
      <th>Course</th>
      <th>Institution</th>
      <th>Year</th>
```

```html
        <th>Percentage</th>
      </tr>
    </thead>

    <tbody>
      <tr>
        <td>SSLC</td>
        <td>ABC School</td>
        <td>2020</td>
        <td>95%</td>
      </tr>

      <tr>
        <td>PUC</td>
        <td>XYZ College</td>
        <td>2022</td>
        <td>91%</td>
      </tr>

      <tr>
        <td>B.Tech</td>
        <td>Engineering College</td>
        <td>2023</td>
        <td>—</td>
      </tr>
    </tbody>
  </table>

  </div>

</div>

</body>
</html>
```

Output:

Student Bio-Data Form

Full Name

[Enter your name]

Register Number

[Enter register number]

Email ID

[Enter email]

Gender
○ Male ○ Female

Skills
☐ C ☐ Java ☐ Python

Address

[   ]

[Submit] [Reset]

Educational Qualification

Course	Institution	Year	Percentage
SSLC	ABC School	2020	95%
PUC	XYZ College	2022	91%
B.Tech	Engineering College	2023	—

Question 2:

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

Code:

```html
<!DOCTYPE html>
<html>
<head>
  <title>Employee CRUD Operations</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
```

```html
</head>
<body class="bg-light">

<div class="container mt-5">

  <div class="card p-4 shadow">
    <h2 class="text-center mb-4">Employee CRUD Operations</h2>

    <div class="row mb-3">
      <div class="col-md-3">
        <input type="text" id="empId" class="form-control" placeholder="Employee ID">
      </div>

      <div class="col-md-3">
        <input type="text" id="empName" class="form-control" placeholder="Employee Name">
      </div>

      <div class="col-md-3">
        <input type="text" id="empDept" class="form-control" placeholder="Department">
      </div>

      <div class="col-md-3">
        <input type="number" id="empSalary" class="form-control" placeholder="Salary">
      </div>
    </div>

    <div class="text-center mb-4">
      <button class="btn btn-success" onclick="addEmployee()">Add</button>
      <button class="btn btn-warning" onclick="updateEmployee()">Update</button>
```

```html
            <button class="btn btn-secondary" onclick="clearForm()">Clear</butt
on>
      </div>

      <table class="table table-bordered table-striped text-center">
        <thead class="table-dark">
          <tr>
              <th>Emp ID</th>
              <th>Name</th>
              <th>Department</th>
              <th>Salary</th>
              <th>Actions</th>
          </tr>
        </thead>

        <tbody id="empTable">
        </tbody>
      </table>

  </div>

</div>

<script>
let selectedRow = null;

function addEmployee()
{
  let id = empId.value;
  let name = empName.value;
  let dept = empDept.value;
  let salary = empSalary.value;

  if(id == "" || name == "" || dept == "" || salary == "")
  {
    alert("Please fill all fields");
```

```javascript
        return;
    }

    let table = document.getElementById("empTable");
    let row = table.insertRow();

    row.insertCell(0).innerHTML = id;
    row.insertCell(1).innerHTML = name;
    row.insertCell(2).innerHTML = dept;
    row.insertCell(3).innerHTML = salary;
    row.insertCell(4).innerHTML =
        `<button class="btn btn-primary btn-sm" onclick="editEmployee(this)">Edit</button>
        <button class="btn btn-danger btn-sm" onclick="deleteEmployee(this)">Delete</button>`;

    clearForm();
}

function editEmployee(btn)
{
    selectedRow = btn.parentElement.parentElement;

    empId.value = selectedRow.cells[0].innerHTML;
    empName.value = selectedRow.cells[1].innerHTML;
    empDept.value = selectedRow.cells[2].innerHTML;
    empSalary.value = selectedRow.cells[3].innerHTML;
}

function updateEmployee()
{
    if(selectedRow == null)
    {
        alert("Please select a record to update");
        return;
    }
```

```javascript
    selectedRow.cells[0].innerHTML = empId.value;
    selectedRow.cells[1].innerHTML = empName.value;
    selectedRow.cells[2].innerHTML = empDept.value;
    selectedRow.cells[3].innerHTML = empSalary.value;

    clearForm();
}

function deleteEmployee(btn)
{
    let row = btn.parentElement.parentElement;
    row.remove();
}

function clearForm()
{
    empId.value = "";
    empName.value = "";
    empDept.value = "";
    empSalary.value = "";
    selectedRow = null;
}
</script>

</body>
</html>
```

Output:

Question 3:

Create a web page using bootstrap as mentioned. Divide the page into 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:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Bootstrap Page Design</title>

  <link
    rel="stylesheet"
    href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
  >

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/js/bootstra
```

```html
p.min.js"></script>

  <style>
    .card-top {
        background: linear-gradient(90deg,#0d6efd,#6610f2);
        border-radius: .375rem;
    }
    .card-top .card-title { margin: 0; font-weight: 700; letter-spacing: .2px; }
    .search-input { min-width: 220px; max-width: 420px; }
    .top-controls { gap: .5rem; display:flex; align-items:center; }
    .improved-card { border: 0; }
    .improved-card .card-header { font-weight: 600; }
    @media (max-width: 767px) {
        .card-top .d-flex-row { flex-direction: column !important; align-items: f
lex-start; }
        .search-input { width: 100%; }
    }
    .row.equal-height { align-items: stretch; }
    .col-eq { display: flex; }
    .flex-card { display: flex; flex-direction: column; width: 100%; }
    .flex-card .card-body { display: flex; flex-direction: column; }
    .push-bottom { margin-top: auto; }
    .btn-gap > * { margin-right: .5rem; }
    .btn-gap > *:last-child { margin-right: 0; }
  </style>

<body class="bg-light">

<div class="container-fluid p-4">

  <!-- Top Card →
  <div class="card mb-4 shadow improved-card">
    <div class="card-body card-top text-white">

        <h3 class="card-title mb-2 mb-md-0">
            Student Management Dashboard
```

```html
    </h3>

    <div class="top-controls d-flex align-items-center">
      <!-- Input Group →
      <div class="input-group search-input">
        <input
          type="text"
          class="form-control"
          placeholder="Search student"
        >
        <div class="input-group-append">
        <div class="ml-3 d-none d-sm-flex align-items-center">
            Search
          </button>
        </div>
      </div>

      <!-- Badges (collapsed on small screens) →

      <div class="btn-group mt-2 mt-md-0">
          <span class="badge badge-success mr-1">Active</span>
          <span class="badge badge-warning mr-1">Pending</span>
          <span class="badge badge-danger">Blocked</span>
        </div>
      </div>

      <!-- Button Group →
      <div class="btn-group mt-2 mt-md-0">
        <button class="btn btn-light">Home</button>
        <button class="btn btn-light">Profile</button>
        <button class="btn btn-light">Logout</button>
      </div>
    </div>
  </div>
</div>
```

```html
<div class="row equal-height">

    <div class="col-md-4 mb-3 d-flex col-eq">
        <div class="card shadow flex-card">
            <div class="card-header bg-info text-white">
                Student Details
            </div>

            <div class="card-body">
                <input
                    type="text"
                    class="form-control mb-2"
                    placeholder="Student Name"
                >
                <input
                    type="email"
                    class="form-control mb-2"
                    placeholder="Email"
                >
                <input
                    type="text"
                    class="form-control mb-2"
                    placeholder="Course"
                >
                <div class="push-bottom">
                    <button class="btn btn-info btn-block">
                        Save
                    </button>
                </div>
            </div>
        </div>
    </div>

    <div class="col-md-4 mb-3 d-flex col-eq">
        <div class="card shadow flex-card">
            <div class="card-header bg-success text-white">
```

```html
                    Actions
            </div>

            <div class="card-body text-center">
                <div class="d-flex flex-column">
                    <button class="btn btn-success btn-block mb-2">Add</button>

                    <button class="btn btn-warning btn-block mb-2">Update</button>

                    <button class="btn btn-danger btn-block mb-2">Delete</button>
                </div>

                <div class="push-bottom text-center mt-3">
                    <div class="btn-group btn-gap">
                        <button class="btn btn-outline-success">
                            Approve
                        </button>
                        <button class="btn btn-outline-danger">
                            Reject
                        </button>
                    </div>
                </div>
            </div>
        </div>
    </div>

    <div class="col-md-4 mb-3 d-flex col-eq">
        <div class="card shadow flex-card">
            <div class="card-header bg-dark text-white">
                Status & Controls
            </div>

            <div class="card-body">
                <p>
                    Total Students
```

```html
        <span class="badge badge-primary float-right">
          120
        </span>
      </p>

      <p>
        Registered
        <span class="badge badge-success float-right">
          95
        </span>
      </p>

      <p>
        Pending
        <span class="badge badge-warning float-right">
          25
        </span>
      </p>

      <div class="push-bottom btn-group btn-group-sm mt-3">
        <button class="btn btn-dark">
          Refresh
        </button>
        <button class="btn btn-secondary">
          Settings
        </button>
      </div>
    </div>
  </div>
</div>

  </div>
</div>
```
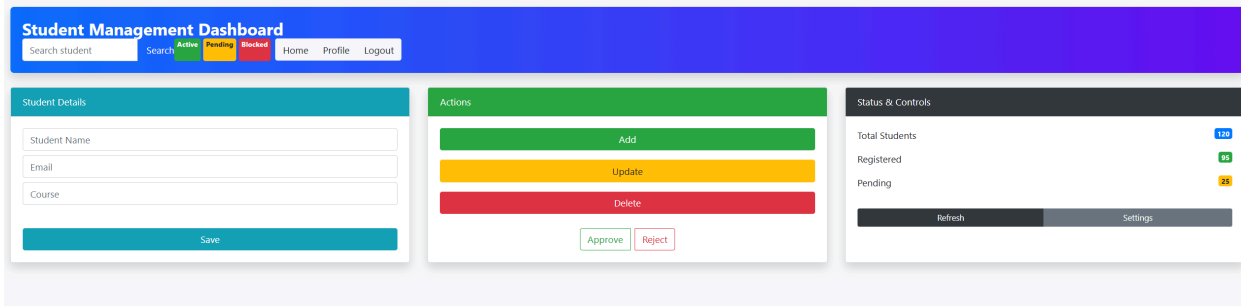
```
    </body>
    </html>
```

Output:

Question 4:

Design your class timetable using bootstrap table and carousel.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Class Timetable using Bootstrap</title>

  <link
    rel="stylesheet"
    href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
  >

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
```

```html
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>

<style>

    .carousel-item {
        padding: 30px 20px;
    }

    .carousel-control-prev,
    .carousel-control-next {
        width: 6%;
    }

    .carousel-control-prev-icon,
    .carousel-control-next-icon {
        background-color: rgba(0,0,0,0.8);
        background-size: 18px 18px;
        border-radius: 50%;
        padding: 14px;
        box-shadow: 0 2px 6px rgba(0,0,0,0.35);
    }

    .card-timetable { border-radius: .5rem; }

    .table-sm td, .table-sm th { padding: .45rem .6rem; }
    .time-col { width: 140px; white-space: nowrap; text-align: center; }

    .day-badge { font-weight: 700; padding: .45rem .6rem; }

    .carousel-indicators li { width: 10px; height: 10px; border-radius: 10px; }

    tbody tr:hover { background: rgba(13,110,253,0.04); }
```

```html
    @media (max-width: 576px) {
      .carousel-item { padding: 18px 8px; }
      .time-col { width: 110px; }
    }
  </style>
</head>

<body class="bg-light">

  <div class="container mt-4">
  <h2 class="text-center mb-4">
    Class Timetable
  </h2>

  <div class="card card-timetable shadow-sm">
    <div class="card-body">

      <div
        id="timetableCarousel"
        class="carousel slide"
        data-ride="carousel"
      >

    <ul class="carousel-indicators">
      <li
        data-target="#timetableCarousel"
        data-slide-to="0"
        class="active"
      ></li>
      <li
        data-target="#timetableCarousel"
        data-slide-to="1"
      ></li>
      <li
        data-target="#timetableCarousel"
```

```html
            data-slide-to="2"
        ></li>
    </ul>

    <div class="carousel-inner">

        <div class="carousel-item active">
            <h4 class="text-center"><span class="badge day-badge bg-primary mr-2">Mon</span> Monday</h4>

            <div class="table-responsive mt-3">
            <table class="table table-bordered table-striped table-hover table-sm">
                <thead class="thead-dark">
                  <tr>
                    <th>Time</th>
                    <th>Subject</th>
                    <th>Faculty</th>
                  </tr>
                </thead>
                <tbody>
                  <tr>
                    <td class="time-col">9:00 - 10:00</td>
                    <td>Mathematics</td>
                    <td>Dr. Rao</td>
                  </tr>
                  <tr>
                    <td class="time-col">10:00 - 11:00</td>
                    <td>DBMS</td>
                    <td>Prof. Kumar</td>
                  </tr>
                  <tr>
                    <td class="time-col">11:15 - 12:15</td>
                    <td>Operating Systems</td>
                    <td>Dr. Mehta</td>
                  </tr>
```

```
                </tbody>
              </table>
            </div>
          </div>

          <div class="carousel-item">
            <h4 class="text-center"><span class="badge day-badge bg-success mr-2">Wed</span> Wednesday</h4>

            <div class="table-responsive mt-3">
            <table class="table table-bordered table-striped table-hover table-sm">
                <thead class="thead-dark">
                  <tr>
                    <th>Time</th>
                    <th>Subject</th>
                    <th>Faculty</th>
                  </tr>
                </thead>
                <tbody>
                  <tr>
                    <td class="time-col">9:00 - 10:00</td>
                    <td>Computer Networks</td>
                    <td>Dr. Singh</td>
                  </tr>
                  <tr>
                    <td class="time-col">10:00 - 11:00</td>
                    <td>Web Technology</td>
                    <td>Ms. Sharma</td>
                  </tr>
                  <tr>
                    <td class="time-col">11:15 - 12:15</td>
                    <td>DBMS Lab</td>
                    <td>Mr. Patil</td>
                  </tr>
                </tbody>
```

```
      </table>
      </div>
    </div>

    <div class="carousel-item">
      <h4 class="text-center"><span class="badge day-badge bg-dark
mr-2">Fri</span> Friday</h4>

      <div class="table-responsive mt-3">
      <table class="table table-bordered table-striped table-hover table-s
m">
        <thead class="thead-dark">
          <tr>
            <th>Time</th>
            <th>Subject</th>
            <th>Faculty</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td class="time-col">9:00 - 10:00</td>
            <td>Software Engineering</td>
            <td>Dr. Nair</td>
          </tr>
          <tr>
            <td class="time-col">10:00 - 11:00</td>
            <td>Operating Systems Lab</td>
            <td>Mr. Verma</td>
          </tr>
          <tr>
            <td class="time-col">11:15 - 12:15</td>
            <td>Seminar</td>
            <td>Staff</td>
          </tr>
        </tbody>
      </table>
```

```html
        </div>
      </div>

    </div>

    <a
      class="carousel-control-prev"
      href="#timetableCarousel"
      data-slide="prev"
      role="button"
      aria-label="Previous"
    >
      <span class="carousel-control-prev-icon" aria-hidden="true"></span
>
      <span class="sr-only">Previous</span>
    </a>

    <a
      class="carousel-control-next"
      href="#timetableCarousel"
      data-slide="next"
      role="button"
      aria-label="Next"
    >
      <span class="carousel-control-next-icon" aria-hidden="true"></span
>
      <span class="sr-only">Next</span>
    </a>

    </div>

  </div>
  </div>

</div>
```

```
</body>
</html>
```

Output:

Class Timetable

Wed Wednesday

Time	Subject	Faculty
9:00 - 10:00	Computer Networks	Dr. Singh
10:00 - 11:00	Web Technology	Ms. Sharma
11:15 - 12:15	DBMS Lab	Mr. Patil