

WEB PROGRAMMING LAB-3

LAB EXERCISES

Date @January 21, 2026

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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:

```
<!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">
```

```
<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">
```

```

<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>

```

```

<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

Register Number

Email ID

Gender
 Male Female

Skills
 C Java Python

Address

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:

```
<!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">
```

```

</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>
        </div>
    </div>
</body>

```

```

        <button class="btn btn-secondary" onclick="clearForm()">Clear</button>
    </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 = emplId.value;
    let name = empName.value;
    let dept = empDept.value;
    let salary = empSalary.value;

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

```

```

        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)">E
dit</button>
<button class="btn btn-danger btn-sm" onclick="deleteEmployee(thi
s)">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;
    }
}

```

```

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:

Employee CRUD Operations

Employee ID	Employee Name	Department	Salary
<input style="background-color: #28a745; color: white; border-radius: 5px; padding: 2px 10px; border: none; font-weight: bold; margin-right: 5px;" type="button" value="Add"/> <input style="background-color: #ffc107; color: black; border-radius: 5px; padding: 2px 10px; border: none; font-weight: bold; margin-right: 5px;" type="button" value="Update"/> <input style="background-color: #6c757d; color: white; border-radius: 5px; padding: 2px 10px; border: none; font-weight: bold;" type="button" value="Clear"/>			

Emp ID	Name	Department	Salary	Actions
123	Deva	CSE	5	<input style="background-color: #007bff; color: white; border-radius: 5px; padding: 2px 5px; border: none; font-weight: bold; margin-right: 5px;" type="button" value="Edit"/> <input style="background-color: #dc3545; color: white; border-radius: 5px; padding: 2px 5px; border: none; font-weight: bold;" type="button" value="Delete"/>
1234	DEVA	AIML	10	<input style="background-color: #007bff; color: white; border-radius: 5px; padding: 2px 5px; border: none; font-weight: bold; margin-right: 5px;" type="button" value="Edit"/> <input style="background-color: #dc3545; color: white; border-radius: 5px; padding: 2px 5px; border: none; font-weight: bold;" type="button" value="Delete"/>

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:

```

<!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/bootstrap.js"></script>

```

```

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: flex-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
    
```

```

</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>
    </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 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">
```

```

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

```

```
<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>
```

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

Output:

The screenshot displays a dashboard titled "Student Management Dashboard". The top navigation bar includes links for "Search student", "Active", "Pending", "Blocked", "Home", "Profile", and "Logout".

- Student Details:** Contains fields for "Student Name", "Email", and "Course", with a "Save" button at the bottom.
- Actions:** Features three buttons: "Add" (green), "Update" (yellow), and "Delete" (red). Below these are "Approve" and "Reject" buttons.
- Status & Controls:** Shows statistics: Total Students (128), Registered (95), and Pending (25). It also includes "Refresh" and "Settings" buttons.

Question 4:

Design your class timetable using bootstrap table and carousel.

Code:

```
<!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.mi  
n.css"  
>  
  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.j  
s"></script>
```

```
<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); }
```

```

    @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"
                    ></li>
                </ul>
            </div>
        </div>
    </div>

```

```

    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>

```

```

        </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>

```

```

        </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-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>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>
    </div>

```

```
        </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		
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