Exercise: Database CRUD Operations with JSP

Task: Create a JSP application for managing a list of employees with full CRUD operations.

Requirements:

1. **Setup Database**: Create an employees table with:
   - id (INT, primary key, auto-increment)
   - name (VARCHAR)
   - department (VARCHAR)
   - salary (DECIMAL)
   - email (VARCHAR)
2. **Create** listEmployees.jsp:
   - Display all employees in an HTML table
   - Add "Edit" and "Delete" buttons for each row
   - Include "Add New Employee" button
3. **Create** addEmployee.jsp:
   - Form to input new employee details
   - Validate required fields (client-side JavaScript optional)
   - Connect to database using JDBC and insert record
   - Redirect back to list after successful addition
4. **Create** editEmployee.jsp:
   - Pre-populate form with existing employee data
   - Update record in database
   - Handle form submission to update database
5. **Create** deleteEmployee.jsp:
   - Confirm deletion (can be JavaScript confirmation)
   - Delete record from database
   - Redirect to list

   Key concepts: JDBC connection, PreparedStatement, JSP database operations, CRUD patterns, redirect vs forward