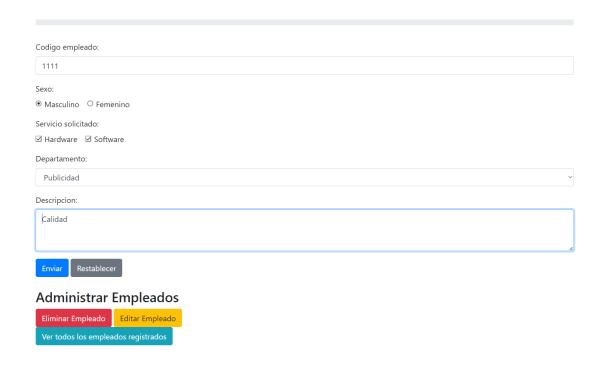
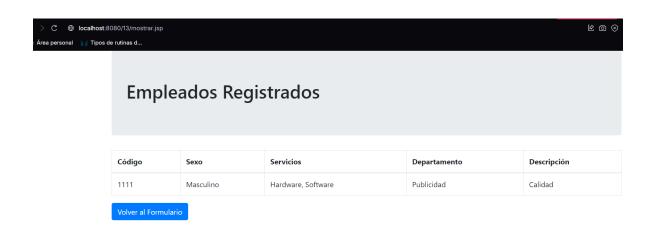
13 - FORMULARIO CON COMPONENTES COMBINADOS





Crear formulario en el archivo index.jsp

```
≡ eliminar.jsp

■ editar.jsp

                                                                   ≡ index.jsp X

    index.jsp

      <!DOCTYPE html>
      <html lang="es">
         <meta charset="UTF-8">
          <meta name="viewport" content="width=device-width, initial-scale=1.0">
         <meta http-equiv="X-UA-Compatible" content="ie=edge">
         <meta name="Description" content="Formulario para ingresar, editar y eliminar empleados" />
         <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.6.0/css/bootstrap.min.css">
         <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">
<link rel="stylesheet" href="assets/css/style.css">
         <title>Formulario</title>
          <div class="container">
                  <h1>Formulario de Empleados</h1>
              <form action="insertar.jsp" method="POST">
                  <div class="form-group">
                      <label>Codigo empleado:</label>
                       <input type="text" class="form-control" name="codigo" required>
                       <label>Sexo:</label><br>
                           <input type="radio" class="form-check-input" name="sexo" value="Masculino">
                           <label class="form-check-label">Masculino</label>
                       <div class="form-check form-check-inline">
                           <input type="radio" class="form-check-input" name="sexo" value="Femenino">
                           <label class="form-check-label">Femenino</label>
                  <div class="form-group">
                      <label>Servicio solicitado:</label><br>
                       <div class="form-check form-check-inline"</pre>
                           <input type="checkbox" class="form-check-input" name="servicio" value="Hardware">
                           <label class="form-check-label">Hardware</label>
```

```
<div class="form-check form-check-inline";</pre>
        <input type="checkbox" class="form-check-input" name="servicio" value="Software">
        <label class="form-check-label">Software</label>
<div class="form-group">
   <label>Departamento:</label>
    <select class="form-control" name="departamento">
        <option value="Ventas">Ventas
       <option value="Publicidad">Publicidad</option>
        <option value="Personal">Personal</option>
    <label>Descripcion:</label>
    <textarea class="form-control" name="descripcion" rows="3"></textarea>
<button type="submit" class="btn btn-primary">Enviar</button>
<button type="reset" class="btn btn-secondary">Restablecer</button>
<h3>Administrar Empleados</h3>
<a href="eliminar.jsp" class="btn btn-danger">Eliminar Empleado</a>
<a href="editar.jsp" class="btn btn-warning">Editar Empleado</a>
<a href="mostrar.jsp" class="btn btn-info">Ver todos los empleados registrados</a>
```

Enlazar a la base de datos y los datos a ingresar

```
■ editar.jsp

                                                                     ≡ index.jsp
insertar.jsp •
     <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<%@ page import="java.sql.Connection" %>
     %% page import="java.sql.PreparedStatement" %>
<% page import="java.sql.DriverManager" %>
     <%@ page import="java.sql.SQLException" %>
     <%@ page import="java.io.IOException" %>
         String codigo = request.getParameter("codigo");
         String sexo = request.getParameter("sexo");
         String[] servicios = request.getParameterValues("servicio");
         String departamento = request.getParameter("departamento");
String descripcion = request.getParameter("descripcion");
         PreparedStatement sentencia = null;
             Class.forName("org.postgresql.Driver");
21 v conexion = DriverManager.getConnection(
22 v | "jdbc:postgresql://localhost:5432/BASE", "postgres", "123");
              String serviciosStr = (servicios != null) ? String.join(", ", servicios) : "";
              String consultaSQL = "INSERT INTO empleados (codigo, sexo, servicio, departamento, descripcion) VALUES (?, ?, ?, ?)";
              sentencia = conexion.prepareStatement(consultaSQL);
              sentencia.setString(1, codigo);
              sentencia.setString(2, sexo);
              sentencia.setString(3, serviciosStr);
              sentencia.setString(4, departamento);
              sentencia.setString(5, descripcion);
              filas = sentencia.executeUpdate();
              if (filas > 0) {
                  response.sendRedirect("mostrar.jsp");
                 out.println("<div class='alert alert-danger' role='alert'>Error al insertar los datos.</div>");
```

```
Finestration Fines
```

Eliminar los empleados conociendo su código y borrarlo de la lista de empleados

```
≡ eliminar.jsp ■ ≡ editar.jsp
≡ index.jsp
     <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
      <%@ page import="java.sql.Connection" %>
      <%@ page import="java.sql.Statement" %>
     <%@ page import="java.sql.DriverManager" %>
      <%@ page import="java.sql.SQLException" %>
      <%@ page import="java.io.IOException" %>
      <%@ page import="java.sql.PreparedStatement" %>
      <!DOCTYPE html>
     <html lang="es">
          <meta charset="UTF-8">
          <meta name="viewport" content="width=device-width, initial-scale=1.0">
          <title>Eliminar Empleado</title>
          <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.6.0/css/bootstrap.min.css">
          <div class="container">
              <div class="jumbotron">
                  <h1>Eliminar Empleado</h1>
              <form action="eliminar.jsp" method="POST">
                 <div class="form-group"
                      <label for="codigo">Código del empleado:</label>
                      <input type="text" class="form-control" name="codigo" required>
                  country class="btn btn-danger">Eliminar</button>
<a href="mostrar.jsp" class="btn btn-primary">Volver a la lista</a>
                  String codigo = request.getParameter("codigo");
```

```
≡ insertar.jsp ● ≡ mostrar.jsp
                                  ≡ eliminar.jsp ■ ≡ editar.jsp
                                                                     ≡ index.jsp
                   if (codigo != null && !codigo.isEmpty()) {
                        Statement sentencia = null; int filas = 0;
                            Class.forName("org.postgresql.Driver");
                            conexion = DriverManager.getConnection("jdbc:postgresql://localhost:5432/BASE", "postgres", "123");
                            String consultaSQL = "DELETE FROM empleados WHERE codigo = ?";
                            PreparedStatement pstmt = conexion.prepareStatement(consultaSQL);
                            pstmt.setString(1, codigo);
                            filas = pstmt.executeUpdate();
                                out.println("<div class='alert alert-success' role='alert'>Empleado eliminado correctamente.</div>");
                                out.println("<div class='alert alert-danger' role='alert'>No se encontró un empleado con ese código.</div>");
                        out.println("Error en la carga del driver: " + e.getMessage());
} catch (SQLException e) {
                            out.println("Error accediendo a la base de datos: " + e.getMessage());
                             if (sentencia != null) {
                                 } catch (SQLException e) {
   out.println("Error cerrando la sentencia: " + e.getMessage());
                                try {
   conexion.close();
                                } catch (SQLException e) {
   out.println("Error cerrando la conexión: " + e.getMessage());
```

```
    ≡ eliminar.jsp
    ●
                                                  ≡ editar.jsp •

    editar.jsɔ

      <%@ page imporc="java.sq.l.}'raparedbtatement" %>
      <!DOCTYPE html>
      <html lang="es">
          <meta charset="UTF-8">

<title>Editar Empleado</title>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.6.0/css/bootstrap.min.css">
          <h1>Editar Empleado</h1>
                   String codigo = request.getParameter("codigo");
                   Statement sentencia = null;
                  ResultSet rs = null;
String sexo = "";
String servicio = "";
                   String departamento = "";
                   String descripcion = "";
                   if (codigo != null && !codigo.isEmpty()) {
                          Class.forName("org.postgresql.Driver");
                           conexion = DriverManager.getConnection("jdbc:postgresq1://localhost:5432/BASE", "postgres", "123");
                           sentencia = conexion.createStatement();
String consultaSQL = "SELECT * FROM empleados WHERE codigo = '" + codigo + "'";
                           rs = sentencia.executeQuery(consultaSQL);
                           if (rs.next()) {
                                sexo = rs.getString("sexo");
                                servicio = rs.getString("servicio");
                                departamento = rs.getString("departamento");
descripcion = rs.getString("descripcion");

    ≡ eliminar.jsp
    □    ≡ editar.jsp
    □    ≡ index.jsp
```

```
<div class="container">
                      if (codigo != null && !codigo.isEmpty()) {
                            try {
                            } catch (ClassNotFoundException e) {
   out.println("Error en la carga del driver: " + e.getMessage());
                            } catch (SQLException e) {
   out.println("Error accediendo a la base de datos: " + e.getMessage());
                      if (request.getMethod().equalsIgnoreCase("POST")) {
    sexo = request.getParameter("sexo");
    servicio = request.getParameter("servicio");
    departamento = request.getParameter("departamento");
                            descripcion = request.getParameter("descripcion");
63
                               String consultaUpdate = "UPDATE empleados SET sexo = ?, servicio = ?, departamento = ?, descripcion = ? WHERE codigo = ?";
                                 PreparedStatement pstmt = conexion.prepareStatement(consultaUpdate);
                                 pstmt.setString(1, sexo);
pstmt.setString(2, servicio);
                                 pstmt.setString(3, departamento);
pstmt.setString(4, descripcion);
                                 pstmt.setString(5, codigo);
                                 int filas = pstmt.executeUpdate();
                                      out.println("<div class='alert alert-success' role='alert'>Empleado actualizado correctamente.</div>");
                                     out.println("<div class='alert alert-danger' role='alert'>Error al actualizar el empleado.</div>");
                            } catch (SQLException e) {
                                 out.println("Error en la actualización: " + e.getMessage());
                                 if (rs != null) rs.close();
  if (sentencia != null) sentencia.close();
  if (sentencia != null) conexion.close();
                                      out.println("Error cerrando los recursos: " + e.getMessage());
```

```
insertar.jsp ● ■ mostrar.jsp ■ ■ editar.jsp ● ■ editar.jsp
         <div class="container">
                 if (request.getMethod().equalsIgnoreCase("POST")) {
                     } finally {
                    <label>Código del empleado:</label>
                     <input type="text" class="form-control" name="codigo" value="<%=codigo%>" readonly>
                     <label>Sexo:<div class="form-check form-check-inline">
                        <input type="radio" class="form-check-input" name="sexo" value="Masculino" <%=sexo.equals("Masculino") ? "checked" : ""%>>
<label class="form-check-label">Masculino</label>
                      <div class="form-check form-check-inline">
                         <input type="radio" class="form-check-input" name="sexo" value="Femenino" <%=sexo.equals("Femenino") ? "checked" : ""%>>
                          <label class="form-check-label">Femenino</label>
                    <label>Servicio solicitado:</label><br/><input type="text" class="form-control" name="servicio" value="<%=servicio%>">
                 <div class="form-group">
     <label>Departamento:</label>
                      <input type="text" class="form-control" name="departamento" value="<%=departamento%>">
                     <textarea class="form-control" name="descripcion" rows="3"><%=descripcion%></textarea>
                 <a href="mostrar.jsp" class="btn btn-primary">Volver a la lista</a>
```

Mostrar las consultas y los resultados de las tablas

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<
<%@ page import="java.sql.PreparedStatement" %>
<%@ page import="java.sql.ResultSet" %>
<%@ page import="java.sql.DriverManager" %>
<%@ page import="java.sql.SQLException" %>
<!DOCTYPE html>
<html lang="es">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Mostrar Empleados</title>
     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.6.0/css/bootstrap.min.css">
                <h1>Empleados Registrados</h1>
                  Class.forName("org.postgresql.Driver");
conexion = DriverManager.getConnection(
  "jdbc:postgresql://localhost:5432/BASE","postgres", "123");
                     String consultaSQL = "SELECT codigo, sexo, servicio, departamento, descripcion FROM empleados";
                      sentencia = conexion.prepareStatement(consultaSQL);
                     rs = sentencia.executeQuery();
```

```
insertar.jsp •
        conexion = DriverManager.getConnection(
           "jdbc:postgresql://localhost:5432/BASE","postgres", "123");
if (rs != null) {
                        %>
                                                      <thead>
                                                                     Departamento
                                                      String codigo = rs.getString("codigo");
                                                      String sexo = rs.getString("sexo");
                                                      String servicios = rs.getString("servicio");
                                                      String departamento = rs.getString("departamento");
                                                      String descripcion = rs.getString("descripcion");
                        %>
                                                                     <%= codigo %>
                                                                     <%= sexo %>
                                                                     <%= servicios %>
                                                                     <</td>
                                                                     out.println("No se encontraron registros.");
                                      out.println("<div class='alert alert-danger' role='alert'>Error en la carga del driver: " + e.getMessage() + "</div>");
                               } catch (SOLException e) {
                                      out.println("<div class='alert alert-danger' role='alert'>Error accediendo a la base de datos: " + e.getMessage() + "</div>");
                              } finally [{
if (rs != null) {
          conexion = DriverManager.getConnection(
                          <%
                                                          out.println("<div class='alert alert-danger' role='alert'>Error en la carga del driver: " + e.getMessage() + "</div>");
                                  } catch (SQLException e) {
                                          out.println("<div class='alert alert-danger' role='alert'>Error accediendo a la base de datos: " + e.getMessage() + "</div>");
                                  } finally []
if (rs != null) {
                                                          out.println("<div class='alert alert-danger' role='alert'>Error cerrando el ResultSet: " + e.getMessage() + "</div>");
                                                          out.println("<div class='alert alert-danger' role='alert'>Error cerrando la sentencia: " + e.getMessage() + "</div>");
                                                         conexion.close();
                                                  } catch (SOLException e) {
                                                          out.println("<div class='alert alert-danger' role='alert'>Error cerrando la conexión: " + e.getMessage() + "</div>");
                  <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.slim.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.1/umd/popper.min.js"></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></sc
                   <script src="https://cdnis.cloudflare.com/aiax/libs/twitter-bootstrap/4.6.0/is/bootstrap.min.is"></script>
```

Configuracion de la base de datos

Nota: No encontre ningun servidor de Mysql en linea que funcionara al igual los links enviados no funcionaban

