

```

12 <h1>Liste Employes</h1><br>
13<table border="1">
14<tr>
15    ListEmployes listEmployes =
16    (ListEmployes)request.getAttribute("listEmployes");
17
18<thead>
19<tr>
20    <th>#</th>
21    <th>Nom</th>
22    <th>Age</th>
23    <th>Fonction</th>
24    <th>Salaire</th>
25    <th>Service</th>
26</tr>
27</thead>
28<tbody>
29<tr>
30<td>#</td>
31<td>#</td>
32<td>#</td>
33<td>#</td>
34<td>#</td>
35<td>#</td>
36</tr>
37</tbody>
38</table>
39</table>
40</table>

```

```

1 package ma.dao;
2
3 import ma.model.Service;
4
5 public class ServiceDao implements IServiceDao {
6
7     private static final String SELECT_SERVICE_BY_NAME
8     = "SELECT * FROM dept WHERE DNAME = ?";
9
10    public Service getService(String name) {
11        Service service = null;
12
13        try (Connection connection = DataSource.getConnection();
14             PreparedStatement preparedStatement =
15             connection.prepareStatement(SELECT_SERVICE_BY_NAME)) {
16
17            preparedStatement.setString(1, name);
18            try (ResultSet resultSet = preparedStatement.executeQuery()) {
19                if (resultSet.next()) {
20                    service = new Service();
21                    service.setDeptNo(resultSet.getInt("DEPTNO"));
22                    service.setDname(resultSet.getString("DNAME"));
23                    service.setLoc(resultSet.getString("LOC"));
24                }
25            }
26        } catch (SQLException e) {
27
28        }
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```

```

1 package ma.dao;
2
3 import ma.model.Employee;
4
5 public class EmployeeDao implements IEmployeeDao {
6
7     private static final String SELECT_EMPLOYES_WITH_SERVICES =
8     "SELECT e.*, d.DNAME, d.LOC FROM emp e JOIN dept d ON e.DEPTNO = d.DEPTNO";
9
10    public ListEmployes getListEmployes() {
11        ListEmployes listEmployes = new ListEmployes();
12        List<Employee> employees = new ArrayList<>();
13        try (Connection connection = DataSource.getConnection();
14             PreparedStatement preparedStatement = connection
15             .prepareStatement(SELECT_EMPLOYES_WITH_SERVICES);
16             ResultSet resultSet = preparedStatement.executeQuery()) {
17            while (resultSet.next()) {
18                Employee employee = new Employee();
19                employee.setEmpNo(resultSet.getInt("EMPNO"));
20                employee.setNom(resultSet.getString("ENAME"));
21                employee.setAge(resultSet.getInt("AGE"));
22                employee.setFonction(resultSet.getString("JOB"));
23                employee.setSalaire(resultSet.getDouble("SAL"));
24
25                Service service = new Service();
26                service.setDeptNo(resultSet.getInt("DEPTNO"));
27                service.setDname(resultSet.getString("DNAME"));
28                service.setLoc(resultSet.getString("LOC"));
29                employee.setService(service);
30
31                employees.add(employee);
32            }
33        } catch (SQLException e) {
34            e.printStackTrace();
35        }
36        listEmployes.setEmployes(employees);
37        return listEmployes;
38    }
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```

1 <head>
2 <meta charset="UTF-8">
3 <title>Saisie Employé</title>
4 </head>
5 <body>
6 <form action="TraitementEmploye" method="post">
7     <div>
8         <input type="text" name="nom" id="nom" required />
9         <input type="text" name="age" id="age" required />
10        <input type="text" name="fonction" id="fonction" required />
11        <input type="text" name="salaire" id="salaire" required />
12        <input type="text" name="service" id="service" required />
13        <input type="submit" value="Ajouter" />
14    </div>
15</form>
16</body>
17</html>

```

```

1 package ma.dao;
2
3 import ma.model.Employee;
4
5 public class EmployeeDao implements IEmployeeDao {
6
7     private static final String INSERT_EMPLOYEE = "INSERT INTO emp "
8     + "(ENAME, AGE, JOB, SAL, DEPTNO) VALUES (?, ?, ?, ?, ?)";
9
10    public Employee enregistrerEmploye(Employee employee) {
11        try (Connection connection = DataSource.getConnection();
12             PreparedStatement preparedStatement = connection
13             .prepareStatement(INSERT_EMPLOYEE)) {
14
15            preparedStatement.setString(1, employee.getNom());
16            preparedStatement.setInt(2, employee.getAge());
17            preparedStatement.setString(3, employee.getFonction());
18            preparedStatement.setDouble(4, employee.getSalaire());
19            preparedStatement.setInt(5, employee.getService().getDeptNo());
20
21            preparedStatement.executeUpdate();
22        } catch (SQLException e) {
23            e.printStackTrace();
24        }
25        return employee;
26    }
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```

```

1 package ma.dao;
2
3 import ma.model.Employee;
4
5 public class EmployeeDao implements IEmployeeDao {
6
7     private static final String INSERT_EMPLOYEE = "INSERT INTO emp "
8     + "(ENAME, AGE, JOB, SAL, DEPTNO) VALUES (?, ?, ?, ?, ?)";
9
10    public Employee enregistrerEmploye(Employee employee) {
11        try (Connection connection = DataSource.getConnection();
12             PreparedStatement preparedStatement = connection
13             .prepareStatement(INSERT_EMPLOYEE)) {
14
15            preparedStatement.setString(1, employee.getNom());
16            preparedStatement.setInt(2, employee.getAge());
17            preparedStatement.setString(3, employee.getFonction());
18            preparedStatement.setDouble(4, employee.getSalaire());
19            preparedStatement.setInt(5, employee.getService().getDeptNo());
20
21            preparedStatement.executeUpdate();
22        } catch (SQLException e) {
23            e.printStackTrace();
24        }
25        return employee;
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```

1 public class TraitementEmploye extends HttpServlet {
2     private static final long serialVersionUID = 1L;
3
4     protected void doPost(HttpServletRequest request, HttpServletResponse response)
5         throws ServletException, IOException {
6         String nom = request.getParameter("nom");
7         int age = Integer.parseInt(request.getParameter("age"));
8         String fonction = request.getParameter("fonction");
9         double salaire = Double.parseDouble(request.getParameter("salaire"));
10
11        Employee employee = new Employee();
12        employee.setNom(nom);
13        employee.setAge(age);
14        employee.setFonction(fonction);
15        employee.setSalaire(salaire);
16
17        int deptNo = Integer.parseInt(request.getParameter("service"));
18
19        ServiceDao serviceDao = new ServiceDao();
20        Service service = serviceDao.getServicesByID(deptNo);
21
22        employee.setService(service);
23
24        EmployeeDao employeeDao = new EmployeeDao();
25        Employee emp = employeeDao.enregistrerEmploye(employee);
26
27        ListEmployes listEmployes = employeeDao.getListEmployes();
28
29        request.setAttribute("listEmployes", listEmployes);
30
31        request.getRequestDispatcher("infoEmployes.jsp").forward(request, response);
32    }
33
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```

```

1 package ma.dao;
2
3 import ma.model.Service;
4
5 public class ServiceDao implements IServiceDao {
6
7     private static final String SELECT_ALL_SERVICES
8     = "SELECT * FROM dept";
9
10    @Override
11    public ListServices getListServices() {
12        ListServices listServices = new ListServices();
13        List<Service> services = new ArrayList<>();
14
15        try (Connection connection = DataSource.getConnection();
16             PreparedStatement preparedStatement =
17             connection.prepareStatement(SELECT_ALL_SERVICES);
18             ResultSet resultSet = preparedStatement.executeQuery()) {
19            while (resultSet.next()) {
20                Service service = new Service();
21                service.setDeptNo(resultSet.getInt("DEPTNO"));
22                service.setDname(resultSet.getString("DNAME"));
23                service.setLoc(resultSet.getString("LOC"));
24                services.add(service);
25            }
26        } catch (SQLException e) {
27            e.printStackTrace();
28        }
29        listServices.setServices(services);
30        return listServices;
31    }
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```

1 package ma.model;
2
3 public class Employee {
4     private int empNo;
5     private String nom;
6     private int age;
7     private String fonction;
8     private double salaire;
9     private Service service;
10
11    public Employee() {
12        super();
13    }
14
15    public ListEmployes getEmployes() {
16        return employees;
17    }
18
19    public void setEmployes(ListEmployes employees) {
20        this.employees = employees;
21    }
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[illegible]