

통합구현

김은표

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테이블 생성-MemberBean

```
3 public class MemberBean {
4
5     private String uid;
6     private String name;
7     private String gender;
8     private String hp;
9     private String email;
10    private String pos;
11    private int dep;
12    private String rdate;
13
14    public String getUId() {return uid; }
15
16    public void setUId(String uid) {this.uid = uid;}
17
18    public String getName() {return name;}
19
20    public void setName(String name) {this.name = name;}
21
22    public String getGender() {return gender;}
23
24    public void setGender(String gender) {this.gender = gender;}
25
26    public String getHp() {return hp;}
27
28    public void setHp(String hp) {this.hp = hp;}
29
30    public String getEmail() {return email;}
31
32    public void setEmail(String email) {this.email = email;}
33
34    public String getPos() {return pos;}
35
36    public void setPos(String pos) {this.pos = pos;}
37
38    public int getDep() {return dep;}
39
40    public void setDep(int dep) {this.dep = dep;}
41
42    public String getRdate() {return rdate;}
43
44    public void setRdate(String rdate) {this.rdate = rdate;}
45
46 }
```

- Java jsp프로그램에 dynamic web project으로 실행한다.
- Java Resources --src 폴더에 - MemberBean 생성하기

직원등록 form 작성 -list

```
7      <meta charset="UTF-8">
8      <title>직원목록</title>
9  </head>
10 <body>
11 <!--
12     날짜 | 2020.12.04
13     이름: 김은표
14     내용: JDBC list 실습하기 과제p
15     -->
16 <h3>직원목록</h3>
17
18 <table border="1">
19     <tr>
20         <th>아이디</th>
21         <th>이름</th>
22         <th>성별</th>
23         <th>휴대폰</th>
24         <th>이메일</th>
25         <th>직급</th>
26         <th>부서</th>
27         <th>등록일</th>
28         <th>관리</th>
29     </tr>
30     <% for(MemberBean mb : members){ %>
31     <tr>
32         <td><%= mb.getId() %></td>
33         <td><%= mb.getName() %></td>
34         <td><%= mb.getGender() %></td>
35         <td><%= mb.getHp() %></td>
36         <td><%= mb.getEmail() %></td>
37         <td><%= mb.getPos() %></td>
38         <td><%= mb.getDep() %></td>
39         <td><%= mb.getRdate().substring(2, 10) %></td>
40         <td>
41             <a href="/.modify.jsp?uid=<%=mb.getId() %>">수정</a>
42             <a href="/T_3_JDBC_Delete.jsp?uid=<%=mb.getId() %>">삭제</a>
43         </td>
44     </tr>
45     <% } %>
46 </table>
47
48 </body>
49 </html>
```

- WebContent 폴더 안에 list 목록 작성하기.

직원등록 form 작성 -modify

```
<h3>직원수정</h3>
<form action="../../T_4_JDBC_Update.jsp" method="get">
  <table border="1">
    <tr>
      <td>아이디</td>
      <td><input type="text" name="uid" value="%= mb.getId() %" /></td>
    </tr>
    <tr>
      <td>이름</td>
      <td><input type="text" name="name" value="%= mb.getName() %" /></td>
    </tr>
    <tr>
      <td>성별</td>
      <td><label><input type="radio" name="gender" value="1" />남</label>
        <label><input type="radio" name="gender" value="2" />여</label></td>
    </tr>
    <tr>
      <td>휴대폰</td>
      <td><input type="text" name="hp" value="%= mb.getHp() %" /></td>
    </tr>
    <tr>
      <td>이메일</td>
      <td><input type="text" name="email" value="%= mb.getEmail() %" /></td>
    </tr>
    <tr>
      <td>직급</td>
      <td>
        <select name="pos">
          <option>사원</option>
          <option>대리</option>
          <option>과장</option>
          <option>차장</option>
          <option>부장</option>
        </select>
      </td>
    </tr>
    <tr>
      <td>부서</td>
      <td>
        <select name="dep">
          <option value="101">영업1부</option>
          <option value="102">영업2부</option>
          <option value="103">영업3부</option>
          <option value="104">영업지원부</option>
          <option value="105">인사부</option>
        </select>
      </td>
    </tr>
    <tr>
      <td colspan="2" align="right">
        <input type="submit" value="수정하기" />
      </td>
    </tr>
  </table>
</form>
```

- WebContent 폴더 안에 modify 목록 작성하기.

• 직원등록 form 작성

```
1 <%@page import="java.sql.Statement"%>
2 <%@page import="java.sql.Connection"%>
3 <%@page import="java.sql.DriverManager"%>
4 <%@ page contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
5 <%
6     // 데이터(Parameter) 수신
7     request.setCharacterEncoding("UTF-8");
8     String uid = request.getParameter("uid");
9     String gender = request.getParameter("gender");
10    String name = request.getParameter("name");
11    String hp = request.getParameter("hp");
12    String email = request.getParameter("email");
13    String pos = request.getParameter("pos");
14    String dep = request.getParameter("dep");
15
16    // DB정보
17    String host = "jdbc:mysql://192.168.10.114:3306/kep";
18    String user = "kep";
19    String pass = "1234";
20
21
22    // 1단계 - JDBC 드라이버 로드
23    Class.forName("com.mysql.jdbc.Driver");
24
25    // 2단계 - 데이터베이스 접속
26    Connection conn = DriverManager.getConnection(host, user, pass);
27
28    // 3단계 - SQL 실행 객체 생성
29    Statement stmt = conn.createStatement();
30
31    // 4단계 - SQL 실행
32    String sql = "INSERT INTO `EMPLOYEE` VALUES ('"+uid+"', '"+name+"', '"+gender+"', '"+hp+"', '"+email+"', '"+pos+"', "+dep+", NOW());";
33    stmt.executeUpdate(sql);
34
35    // 5단계 - 결과셋 처리(SELECT일 경우)
36
37    // 6단계 - 데이터베이스 종료
38    stmt.close();
39    conn.close();
40
41    // 리다이렉트
42    response.sendRedirect("./employee/register.jsp");
43 %>
```

- DB정보에 mysql에 host, user, pass를 입력한다.
- 4단계 SQL 실행에 HeidiSQL에 생성된 테이블명을 넣는다.

직원등록 form 작성

```
<h3>직원등록</h3>
<form action="../T_1_JDBC_Insert.jsp" method="get">
  <table border="1">
    <tr>
      <td>아이디</td>
      <td><input type="text" name="uid" /></td>
    </tr>
    <tr>
      <td>이름</td>
      <td><input type="text" name="name" /></td>
    </tr>
    <tr>
      <td>성별</td>
      <td><label><input type="radio" name="gender" value="1" />남</label>
        <label><input type="radio" name="gender" value="2" />여</label></td>
    </tr>
    <tr>
      <td>휴대폰</td>
      <td><input type="text" name="hp" /></td>
    </tr>
    <tr>
      <td>이메일</td>
      <td><input type="text" name="email" /></td>
    </tr>
    <tr>
      <td>직급</td>
      <td><select name="pos">
        <option>사원</option>
        <option>대리</option>
        <option>과장</option>
        <option>차장</option>
        <option>부장</option>
      </select></td>
    </tr>
    <tr>
      <td>부서</td>
      <td><select name="dep">
        <option value="101">영업1부</option>
        <option value="102">영업2부</option>
        <option value="103">영업3부</option>
        <option value="104">영업지원부</option>
        <option value="105">인사부</option>
      </select></td>
    </tr>
    <tr>
      <td colspan="2" align="right"><input type="submit" value="등록하기" />
    </td>
  </table>
</form>
```

직원등록

직원등록

아이디	a101
이름	김유신
성별	<input checked="" type="radio"/> 남 <input type="radio"/> 여
휴대폰	101-1234-1111
이메일	kysin@naver.com
직급	과장 ▼
부서	영업2부 ▼
등록하기	

직원등록

아이디	a102
이름	김춘추
성별	<input checked="" type="radio"/> 남 <input type="radio"/> 여
휴대폰	010-1234-1002
이메일	kimcc@gamil.net
직급	대리 ▼
부서	인사부 ▼
등록하기	

- 정보를 입력 후 등록하기
- HeidiSQL 테이블에서 결과 값 확인하기

수업DB

- information_schema
- Ise
 - Book 32.0 KIB
 - Customer 16.0 KIB
 - DEPART 16.0 KIB
 - Employee 16.0 KIB**
 - MEMBER 16.0 KIB
 - Orders 48.0 KIB
 - Publisher 16.0 KIB
 - SALE_2017 16.0 KIB
 - SALE_2018 16.0 KIB
 - USER1 16.0 KIB
 - USER2 16.0 KIB
 - USER3 32.0 KIB

Ise.Employee: 2 행 (총) (대략적)

uid	name	gender	hp	email	pos	dep	rdate
a101	김유신	1	010-1234-1111	kysin@naver.com	과장	102	2020-12-04 11:43:05
a102	김춘추	1	010-1234-1002	kimcc@gmail.com	대리	105	2020-12-04 11:45:12