**[ 11 ] 웹프로그래밍에서의 데이터베이스**

1. 오라클 설치
2. JDBC 살펴보기
   * JDBC란 JAVA 프로그램에서 SQL문을 실행하여 데이터를 관리하기 위한 JAVA API.
   * JDBC의 특징은 다양한 데이터 베이스에 대해서 별도의 프로그램을 만들 필요 없이, 해당 데이터 베이스의 JDBC를 이용하면 하나의 프로그램으로 데이터 베이스를 관리할 수 있다.
   * 우리는 Oracle을 사용하므로, Oracle용 JDBC를 사용하며, 이것은 오라클을 설치하면 자동으로 설치 되고, 이클립스에서 해당 클래스 파일을 복사하면 된다
   * 오라클 드라이버를 사용하기 위한 C:\oraclexe\app\oracle\product\11.2.0\server\jdbc\lib\ojdbc6.jar 나 ojdbc6\_g.jar 파일을 C:\Program Files\Java\jre1.8.0\_101\lib\ext 폴더(%JAVA\_HOME%/JRE/LIB/EXT 폴더)에 복사한다
   * 이클립스에서 Windows 메뉴 – preferences – Java – Installed JREs – edit – Add External JARs을 통해 두개의 jar를 등록 후 Restore Default 클릭 후 finish
   * 데이터 베이스 연결 순서
     1. JDBC 드라이버 로드 : DriverManager로드 : Class.forName(“oracle.jdbc.driver.OracleDriver”); 메모리에 OracleDriver가 로드된다.
     2. 데이터 베이스 연결 : Connection : DriverManager.getConnection(JDBC URL, 계정아이디, 비밀번호) : connection 객체 생성
     3. SQL문 실행
        1. connection.createStatement();Statement 객체를 통해 SQL문 실행
        2. ResultSet : statement.executeQuery(), statement.executeUpdate(); SQL문의 결과값을 ResultSet객체로 받는다
     4. 데이터 베이스 연결 해제
3. Statement 객체
   * executeQuery() ; SQL문 실행 후 여러 개의 결과값 생기는 경우 사용 ex. Select
   * executeUpdate();SQL문 실행 후 테이블의 내용만 변경되는 경우 사용 ex. insert, delete, update
   * executeQuery() 실행 후 반환되는 레코드 셋

첫번째 로우 데이터

두번째 로우 데이터

…

N번째 마지막 로우 데이터

END

ResultSet.next(); 다음 레코드로 이동

ResultSet.previous(); 이전 레코드로 이동

ResultSet.first(); 처음 레코드로 이동

ResultSet.last(); 마지막 레코드로 이동

get메소드 : getString, getInt

1. 간단 예제

ex1.jsp

<body>

<%!

Connection conn;

String driver = "oracle.jdbc.driver.OracleDriver";

String url ="jdbc:oracle:thin:@127.0.0.1:1521:xe";

String uid = "scott";

String upw = "tiger";

String driverM = "com.mysql.jdbc.Driver";

String urlM = "jdbc:mysql://127.0.0.1:3306/kimdb";

String uidM = "root";

String upwM = "mysql";

%>

<% **try**{

Class.forName(driver);

conn = DriverManager.getConnection(url, uid, upw);

out.print("오라클 DB 연결 성공");

}**catch**(Exception e){

out.println("예외메세지:"+e.getMessage());

}**finally**{

**try**{

**if**(conn!=**null**) conn.close();

}**catch**(Exception e){}

}

%>

</body>

**Ex2.jsp**

<%@page import=*"java.sql.\*"*%>

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert title here</title>

</head>

<body>

<%!

String driver = "oracle.jdbc.driver.OracleDriver";

String url = "jdbc:oracle:thin:@127.0.0.1:1521:xe";

String uid = "scott";

String upw = "tiger";

Connection conn;

Statement stmt;

ResultSet rs;

String sql = "SELECT \* FROM EMP";

%>

<%

**try**{

Class.forName(driver);

conn = DriverManager.getConnection(url, uid, upw);

stmt = conn.createStatement();

rs = stmt.executeQuery(sql);

**while**(rs.next()){

**int** empno = rs.getInt("empno");

String ename = rs.getString("ename");

String job = rs.getString("job");

**int** mgr = rs.getInt("mgr");

Date hiredate = rs.getDate("hiredate");

**int** sal = rs.getInt("sal");

**int** comm = rs.getInt("comm");

**int** deptno = rs.getInt("deptno");

out.println("<h5>"+empno+"(사번)\t"+ename+"(이름)\t"+job+"(직책)\t"+

mgr+"(상사사번)\t"+hiredate+"(입사일)\t" +sal+"(급여)\t"+

comm+"(상여)\t"+deptno+"(부서번호)</h5>");

}

}**catch**(Exception e){

out.println(e.getMessage());

System.out.println(e.getMessage());

}**finally**{

**if**(conn!=**null**) conn.close();

**if**(stmt!=**null**) stmt.close();

**if**(rs!=**null**) rs.close();

}

%>

</body>

</html>

<%@page import=*"java.sql.\*"*%>

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert title here</title>

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<%!

String driver = "oracle.jdbc.driver.OracleDriver";

String url = "jdbc:oracle:thin:@127.0.0.1:1521:xe";

String uid = "scott";

String upw = "tiger";

Connection conn;

Statement stmt;

ResultSet rs;

String sql = "SELECT \* FROM EMP";

%>

<%

**try**{

// 1. 드라이버 로드

Class.forName(driver);

// 2. 연결객체 conn

conn = DriverManager.getConnection(url, uid, upw);

// 3. SQL 실행 ㄱ개체 stmt, pstmt

stmt = conn.createStatement();

// 4. executeQuery()나 executeUpdate()를 이용하여 SQL 실행시키고 5.결과받는다

rs = stmt.executeQuery(sql);

// 6. sql결과값에 따라 로직 수행

out.println("<table><caption>emp list</caption>");

out.println("<tr><th>사번</th><th>이름</th><th>직책</th>"

+"<th>상사사번</th><th>입사일</th><th>급여</th><th>상여</th><th>부서번호</th></tr>");

**if**(rs.next()){

**do**{

**int** empno = rs.getInt("empno");

String ename = rs.getString("ename");

String job = rs.getString("job");

**int** mgr = rs.getInt("mgr");

Date hiredate = rs.getDate("hiredate");

**int** sal = rs.getInt("sal");

**int** comm = rs.getInt("comm");

**int** deptno = rs.getInt("deptno");

out.println("<tr><td>"+empno+"</td><td>"+ename+"</td><td>"+job+"</td><td>"+

mgr+"</td><td>"+hiredate+"</td><td>" +sal+"</td><td>"+

comm+"</td><td>"+deptno+"</td></tr>");

}**while**(rs.next());

}**else**{

out.println("<tr><td colspan='8'>데이터가 없습니다</td></tr>");

}

out.println("</table>");

}**catch**(Exception e){

System.out.println(e.getMessage());

}**finally**{

// 7. 연결 해제

**if**(rs!=**null**) rs.close();

**if**(stmt!=**null**) stmt.close();

**if**(conn!=**null**) conn.close();

}

%>

</body>

</html>

<%@page import=*"java.sql.\*"*%>

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert title here</title>

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<%!

String driver = "oracle.jdbc.driver.OracleDriver";

String url = "jdbc:oracle:thin:@127.0.0.1:1521:xe";

String uid = "scott";

String upw = "tiger";

Connection conn;

PreparedStatement pstmt;

ResultSet rs;

String sql = "SELECT \* FROM EMP";

%>

<%

**try**{

// 1. 드라이버 로드

Class.forName(driver);

// 2. 연결객체 conn

conn = DriverManager.getConnection(url, uid, upw);

// 3. SQL 실행 ㄱ개체 stmt, pstmt

pstmt = conn.prepareStatement(sql);

// 4. executeQuery()나 executeUpdate()를 이용하여 SQL 실행시키고 5.결과받는다

rs = pstmt.executeQuery();

// 6. sql결과값에 따라 로직 수행

out.println("<table><caption>emp list</caption>");

out.println("<tr><th>사번</th><th>이름</th><th>직책</th>"

+"<th>상사사번</th><th>입사일</th><th>급여</th><th>상여</th><th>부서번호</th></tr>");

**if**(rs.next()){

**do**{

**int** empno = rs.getInt("empno");

String ename = rs.getString("ename");

String job = rs.getString("job");

**int** mgr = rs.getInt("mgr");

Date hiredate = rs.getDate("hiredate");

**int** sal = rs.getInt("sal");

**int** comm = rs.getInt("comm");

**int** deptno = rs.getInt("deptno");

out.println("<tr><td>"+empno+"</td><td>"+ename+"</td><td>"+job+"</td><td>"+

mgr+"</td><td>"+hiredate+"</td><td>" +sal+"</td><td>"+

comm+"</td><td>"+deptno+"</td></tr>");

}**while**(rs.next());

}**else**{

out.println("<tr><td colspan='8'>데이터가 없습니다</td></tr>");

}

out.println("</table>");

}**catch**(Exception e){

System.out.println(e.getMessage());

}**finally**{

// 7. 연결 해제

**if**(rs!=**null**) rs.close();

**if**(pstmt!=**null**) pstmt.close();

**if**(conn!=**null**) conn.close();

}

%>

</body>

</html>

1. 회원 가입 및 회원 정보 수정 프로그램

join.jsp

JoinOk(서블릿)

joinResult.jsp

login.jsp

ModifyOk(서블릿)

modify.jsp

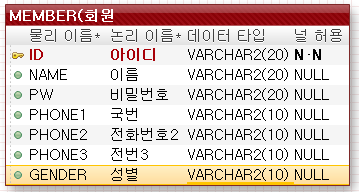
loginResult.jsp

LoginOk(서블릿)

modifyResult.jsp

logout.jsp

1. member/join.jsp : 회원가입 창
2. /JoinOk : DB에 접속하여 입력가능한 정보이면 DB에 저장하는 서블릿
3. member/joinResult.jsp : 회원가입 성공여부 출력과 그에 따른 메시지 출력
4. member/login.jsp : 로그인 창
5. /LoginOk : 로그인 인증하는 서블릿
   1. 로그인 성공하면 member/loginResult.jsp로 감
   2. 로그인 실패하면 member/login.html로 감
6. Member/loginResult.jsp : 로그인 성공 페이지
7. member/modify.jsp : 회원 정보 수정 화면
8. /ModifyOk : 회원 정보 수정 처리 화면 (비번 틀리면 ⑦번 화면으로 넘어가고, 비번이 맞으면 update 수행 후 ⑨번 으로)
9. membertest/modifyResult.jsp회원
10. member/logout.jsp : 로그아웃 화면



<sql문>

drop table member;

CREATE TABLE MEMBER(

NAME VARCHAR2(20) NOT NULL,

ID VARCHAR2(20) PRIMARY KEY,

PW VARCHAR2(20) NOT NULL,

PHONE1 VARCHAR2(10),

PHONE2 VARCHAR2(10),

PHONE3 VARCHAR2(10),

GENDER VARCHAR2(10));

INSERT INTO MEMBER VALUES ('홍','aaa','111','02','9999','9999','남'); -- 가입

commit;

select \* from member;

delete from member where id='ccc';

SELECT \* FROM MEMBER WHERE ID='aaa'; --로그인

SELECT \* FROM MEMBER WHERE ID='aaa' AND PW='111'; -- 로그인

UPDATE MEMBER SET NAME='최', PW='222', PHONE1='010', PHONE2='9999',PHONE3='9999',GENDER='여'

WHERE ID='bbb'; -- 정보수정

1. member/join.jsp : 회원가입 창

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<!-- <form action="joinOk.jsp" method="post"> -->

<form action=*"../JoinOk"* method=*"post"*>

<table>

<caption>회원가입</caption>

<tr><th>이름</th><td><input type=*"text"* name=*"name"* size=*"20"* required=*"required"*></td></tr>

<tr><th>아이디</th><td><input type=*"text"* name=*"id"* size=*"20"* required=*"required"*></td></tr>

<tr><th>패스워드</th><td><input type=*"password"* name=*"pw"* size=*"20"* required=*"required"*></td></tr>

<tr><th>전화번호</th>

<td><select name=*"phone1"*>

<option></option><option>02</option><option>010</option>

</select> -

<input type=*"text"* name=*"phone2"* size=*"5"*> -

<input type=*"text"* name=*"phone3"* size=*"5"*>

</td>

</tr>

<tr><th>성별</th>

<td><input type=*"radio"* name=*"gender"* value=*"남"* checked=*"checked"*>남 &nbsp;

<input type=*"radio"* name=*"gender"* value=*"여"*>여자

</td>

</tr>

<tr><td colspan=*"2"*>

<input type=*"submit"* value=*"가입"*>

<input type=*"reset"* value=*"취소"*>

<input type=*"button"* value=*"로그인"* onclick="location.href='login.jsp'">

</td>

</tr>

</table>

</form>

</body>

</html>

1. joinOk.jsp

<body>

<% request.setCharacterEncoding("utf-8");

String driver = "oracle.jdbc.driver.OracleDriver";

String url ="jdbc:oracle:thin:@127.0.0.1:1521:xe";

String uid = "scott";

String upw = "tiger";

Connection conn = **null**;

Statement stmt = **null**;

String name, id, pw, phone1, phone2, phone3, gender;

name = request.getParameter("name");

id = request.getParameter("id");

pw = request.getParameter("pw");

phone1 = request.getParameter("phone1");

phone2 = request.getParameter("phone2");

phone3 = request.getParameter("phone3");

gender = request.getParameter("gender");

String sql = String.format(

"INSERT INTO MEMBER VALUES "

+ "('%s','%s','%s','%s','%s','%s','%s')",

name, id, pw, phone1, phone2, phone3, gender);

**try** {

Class.forName(driver);

conn = DriverManager.getConnection(url, uid, upw);

stmt = conn.createStatement();

**int** result = stmt.executeUpdate(sql);

**if**(result>0){

System.out.println("insert success");

response.sendRedirect("joinResult.jsp?result=ok");

session.setAttribute("id",id);

} **else** {

System.out.println("insert fail");

response.sendRedirect("joinResult.jsp?result=no");

}

} **catch** (Exception e) {

e.printStackTrace();

} **finally** {

**try** {

**if**(stmt != **null**) stmt.close();

**if**(conn != **null**) conn.close();

} **catch** (Exception e) {}

}

%>

</body>

1. /JoinOk : DB에 접속하여 입력가능한 정보이면 DB에 저장하는 서블릿

@WebServlet(urlPatterns= {"/JoinOk"})

**public** **class** JoinOk **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** String driver = "oracle.jdbc.driver.OracleDriver";

**private** String url = "jdbc:oracle:thin:@127.0.0.111:1521:xe";

**private** String uid = "scott";

**private** String upw = "tiger";

**private** Connection conn;

**private** Statement stmt;

**private** String name, id, pw, phone1, phone2, phone3, gender;

**public** JoinOk() { **super**();}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

System.***out***.println("doGet");

actionDo(request, response);

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

System.***out***.println("doPost");

request.setCharacterEncoding("utf-8");

actionDo(request, response);

}

**private** **void** actionDo(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

name = request.getParameter("name");

id = request.getParameter("id");

pw = request.getParameter("pw");

phone1 = request.getParameter("phone1");

phone2 = request.getParameter("phone2");

phone3 = request.getParameter("phone3");

gender = request.getParameter("gender");

String sql = String.*format*("INSERT INTO MEMBER VALUES ('%s','%s','%s','%s','%s','%s','%s')",

name, id, pw, phone1, phone2, phone3, gender);

**try** {

Class.*forName*(driver);

conn = DriverManager.*getConnection*(url, uid, upw);

stmt = conn.createStatement();

**int** result = stmt.executeUpdate(sql);

**if**(result>0) {

System.***out***.println("member insert success");

response.sendRedirect("member/joinResult.jsp?result=success");

HttpSession session = request.getSession();

session.setAttribute("id", id)

}**else** {

System.***out***.println("member insert fail ");

response.sendRedirect("member/joinResult.jsp?result=fail");

}

} **catch** (ClassNotFoundException e) {

e.printStackTrace();

} **catch** (SQLException e) {

e.printStackTrace();

} **finally** {

**try** {

**if**(stmt!=**null**) stmt.close();

**if**(conn!=**null**) conn.close();

}**catch**(SQLException ignore) {}

}

}

}

1. member/joinResult.jsp : 회원가입 성공여부 출력과 그에 따른 메시지 출력

<body>

<%

String result = request.getParameter("result");

**if**(result.equals("success")){

out.println("<h2>회원가입이 정상처리되었습니다. 환영합니다.</h2>");

out.println("<hr>");

out.println("<button onclick=\"location.href='login.html'\">로그인</button>");

}**else**{

out.println("<h2>회원가입이 처리되지 않았습니다</h2>");

out.println("<hr>");

out.println("<button onclick=\"location.href='join.html'\">회원가입</button>");

out.println("<button onclick=\"location.href='login.html'\">로그인</button>");

}

%>

</body>

1. member/login.html : 로그인 창

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<form action=*"../LgoinOk"*>

<table>

<caption>로그인</caption>

<tr><th>아이디</th>

<td><input type=*"text"* name=*"id"* required=*"required"* autofocus=*"autofocus"*></td>

</tr>

<tr><th>비밀번호</th>

<td><input type=*"password"* name=*"pw"* required=*"required"*></td>

</tr>

<tr><td colspan=*"2"*><input type=*"submit"* value=*"로그인"*>

<input type=*"button"* value=*"회원가입"* onclick="location.href='join.html'">

</td>

</tr>

</table>

</form>

</body>

1. /LoginOk : 로그인 인증하는 서블릿
   1. 로그인 성공하면 member/loginResult.jsp로 감
   2. 로그인 실패하면 member/login.html로 감

@WebServlet(urlPatterns= {"/LgoinOk"})

**public** **class** LgoinOk **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** String driver = "oracle.jdbc.driver.OracleDriver";

**private** String url = "jdbc:oracle:thin:@127.0.0.111:1521:xe";

**private** String uid = "scott";

**private** String upw = "tiger";

**private** Connection conn;

**private** Statement stmt;

**private** ResultSet rs;

**private** String name, id, pw;

**public** LgoinOk() {

**super**();

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

System.***out***.println("doGet");

actionDo(request, response);

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

System.***out***.println("doPost()호출");

request.setCharacterEncoding("utf-8");

actionDo(request, response);

}

**private** **void** actionDo(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

id = request.getParameter("id");

pw = request.getParameter("pw");

String sql = String.*format*("SELECT \* FROM MEMBER WHERE ID='%s' AND PW='%s'", id, pw);

**try** {

Class.*forName*(driver);

conn = DriverManager.*getConnection*(url, uid, upw);

stmt = conn.createStatement();

rs = stmt.executeQuery(sql);

**if**(rs.next()) {

name = rs.getString("name");

HttpSession httpSession = request.getSession();

httpSession.setAttribute("name", name);

httpSession.setAttribute("id", id);

httpSession.setAttribute("pw", pw);

response.sendRedirect("member/loginResult.jsp");

}**else** {

response.sendRedirect("member/login.html");

}

} **catch** (ClassNotFoundException e) {

e.printStackTrace();

} **catch** (SQLException e) {

e.printStackTrace();

}**finally** {

**try** {

**if**(rs!=**null**) rs.close();

**if**(stmt!=**null**) stmt.close();

**if**(conn!=**null**) conn.close();

}**catch**(SQLException e) {

e.printStackTrace();

}

}

}

}

1. Member/loginResult.jsp : 로그인 성공 페이지

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<% String name, id; %>

<%

name = (String)session.getAttribute("name");

id = (String)session.getAttribute("id");

%>

<%= name %>(<%=id %>)님 안녕하세요 <br /> <br />

<a href=*"modify.jsp"*>회원정보 수정</a>

</body>

1. member/modify.jsp : 회원 정보 수정 화면

<%@page import=*"java.sql.DriverManager, java.sql.ResultSet,java.sql.Statement,java.sql.Connection"*%>

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

pageEncoding=*"UTF-8"*%>

<%!

Connection conn;

Statement stmt;

ResultSet rs;

String sql, name, id, pw, phone1, phone2, phone3, gender;

%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Insert title here</title>

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<% **if**(session.getAttribute("id")==**null**){

response.sendRedirect("login.html");

}

String driver = "oracle.jdbc.driver.OracleDriver";

String url = "jdbc:oracle:thin:@127.0.0.1:1521:xe";

String uid = "scott";

String upw = "tiger";

id = (String)session.getAttribute("id");

sql = String.format("SELECT \* FROM MEMBER WHERE ID='%s'",id);

Class.forName(driver);

conn = DriverManager.getConnection(url, uid, upw);

stmt = conn.createStatement();

rs = stmt.executeQuery(sql);

**if**(rs.next()){

System.out.println("정보수정할 것 찾아서 뿌린다");

name = rs.getString("name");

pw = rs.getString("pw");

phone1 = rs.getString("phone1");

phone2 = rs.getString("phone2");

phone3 = rs.getString("phone3");

gender = rs.getString("gender");

}

rs.close();

stmt.close();

conn.close();

%>

<form action=*"../ModifyOk"* method=*"post"*>

<table>

<tr><th>아이디</th>

<td><input type=*"text"* name=*"id"* value=*"*<%=id %>*"* readonly=*"readonly"*></td>

</tr>

<tr><th>이름</th>

<td><input type=*"text"* name=*"name"* value=*"*<%=name %>*"* required=*"required"*></td>

</tr>

<tr><th>현비밀번호</th>

<td><input type=*"text"* name=*"chkPw"* value=*"*<%=pw %>*"* required=*"required"*></td>

</tr>

<tr><th>변경비밀번호</th>

<td><input type=*"text"* name=*"pw"* value=*"*<%=pw %>*"* required=*"required"*></td>

</tr>

<tr><th>전화번호</th>

<td>

<% **if**("02".equals(phone1)){ %>

<select name=*"phone1"*>

<option></option><option selected=*"selected"*>02</option><option>010</option>

</select>

<% }**else** **if**("010".equals(phone1)){ %>

<select name=*"phone1"*>

<option></option><option>02</option><option selected=*"selected"*>010</option>

</select>

<% }**else**{ %>

<select name=*"phone1"*>

<option></option><option>02</option><option>010</option>

</select>

<% } %>

-

<input type=*"text"* name=*"phone2"* size=*"5"* value=*'*<%=phone2!=**null**? phone2 : "" %>*'*>

-

<input type=*"text"* name=*"phone3"* size=*"5"* value=*'*<%=(phone3!=**null**)? phone3:"" %>*'*>

</td>

</tr>

<tr><th>성별</th>

<td>

<% **if**("남".equals(gender)){ %>

<input type=*"radio"* name=*"gender"* value=*"남"* checked=*"checked"*> 남 &nbsp;

<input type=*"radio"* name=*"gender"* value=*"여"*> 여

<% }**else** **if**("여".equals(gender)){ %>

<input type=*"radio"* name=*"gender"* value=*"남"*> 남 &nbsp;

<input type=*"radio"* name=*"gender"* value=*"여"* checked=*"checked"*> 여

<% } **else** {%>

<input type=*"radio"* name=*"gender"* value=*"남"*> 남 &nbsp;

<input type=*"radio"* name=*"gender"* value=*"여"*> 여

<%} %>

</td>

</tr>

<tr><td colspan=*"2"*>

<input type=*"submit"* value=*"정보수정"*>

<input type=*"reset"* value=*"취소"*>

<input type=*"button"* value=*"이전"* onclick="history.back()">

</td>

</tr>

</table>

</form>

</body>

</html>

1. /ModifyOk : 회원 정보 수정 처리 화면 (현비번 틀리면 ⑦번 화면으로 넘어가고, 현비번이 맞으면 update 수행 후 ⑨번 으로)

@WebServlet(urlPatterns= {"/ModifyOk"})

**public** **class** ModifyOk **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** String driver = "oracle.jdbc.driver.OracleDriver";

**private** String url = "jdbc:oracle:thin:@127.0.0.111:1521:xe";

**private** String uid = "scott";

**private** String upw = "tiger";

**private** Connection conn;

**private** Statement stmt;

**private** HttpSession httpSession;

**private** String name, id, chkPw, pw, phone1, phone2, phone3, gender;

**private** String sessionPw;

**public** ModifyOk() {**super**();}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

actionDo(request, response);

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

request.setCharacterEncoding("utf-8");

actionDo(request, response);

}

**private** **void** actionDo(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

httpSession = request.getSession();

sessionPw = httpSession.getAttribute("pw").toString();

name = request.getParameter("name");

id = request.getParameter("id");

chkPw = request.getParameter("chkPw");

pw = request.getParameter("pw");

phone1 = request.getParameter("phone1");

phone2 = request.getParameter("phone2");

phone3 = request.getParameter("phone3");

gender = request.getParameter("gender");

**if**(chkPw.equals(chkPw)) {

System.***out***.println("비밀번호를 제대로 입력해서 수정할 꺼야");

String sql = String.*format*("UPDATE MEMBER SET NAME='%s', PW='%s', PHONE1='%s', PHONE2='%s',PHONE3='%s',GENDER='%s' WHERE ID='%s'", name, pw, phone1, phone2, phone3, gender, id);

System.***out***.println(sql);

**try** {

Class.*forName*(driver);

conn = DriverManager.*getConnection*(url, uid, upw);

stmt = conn.createStatement();

**int** result = stmt.executeUpdate(sql);

**if**(result>0) {

httpSession.setAttribute("name", name);

httpSession.setAttribute("pw", pw);

response.sendRedirect("member/modifyResult.jsp?result=ok");

}**else** {

response.sendRedirect("member/modifyResult.jsp?result=no");

}

} **catch** (ClassNotFoundException e) {

e.printStackTrace();

} **catch** (SQLException e) {

e.printStackTrace();

}**finally** {

**try** {

**if**(stmt!=**null**) stmt.close();

**if**(conn!=**null**) conn.close();

}**catch** (Exception e) { }

}

}**else** {

response.sendRedirect("member/modify.jsp");

}

}

}

1. membertest/modifyResult.jsp회원

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<% String result = request.getParameter("result");

**if**(result.equals("ok")){

out.println("<h2>회원정보 수정 완료</h2>");

}**else**{

out.println("<h2>회원정보 수정 실패</h2>");

}

%>

<button onclick="history.go(-1)">이전페이지</button>

<button onclick="location.href='modify.jsp'">정보수정</button>

<button onclick="location.href='logout.jsp'">로그아웃</button>

</body>

1. member/logout.jsp : 로그아웃 화면

<link href=*"../css/style.css"* rel=*"stylesheet"*>

</head>

<body>

<% session.invalidate(); %>

<h2>로그아웃이 완료되었습니다</h2>

<button onclick="location.href='login.html'">로그인</button>

<button onclick="location.href='join.html'">회원가입</button>

</body>