JSP 웹 프로그래밍

JDBC로 데이터베이스와 JSP 연동

4. 쿼리문 실행 결과 값 가져오기
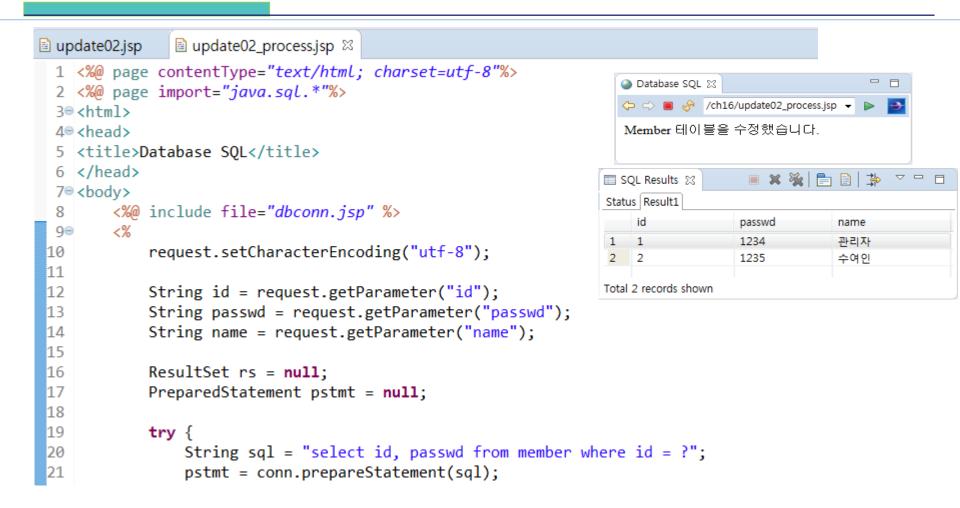
예제 16-7 PreparedStatement 객체를 이용하여 UPDATE 쿼리문 실행 결과 값 가져오기

update01.jsp ⊠   update_process.jsp   insert02_process.jsp   dbconn.jsp

```jsp
1  <%@ page contentType="text/html; charset=utf-8"%>
2  <html>
3  <head>
4  <title>Database SQL</title>
5  </head>
6  <body>
7      <form method="post" action="update_process.jsp">
8          <p>아이디 : <input type="text" name="id">
9          <p>비밀번호 : <input type="password" name="passwd">
10         <p>이름 : <input type="text" name="name">
11         <p><input type="submit" value="전송">
12     </form>
13 </body>
14 </html>
```

http://localhost:8080/Oracle_web/jsp/update01.jsp

아이디 : k001

비밀번호 : ●●●●

이름 : 강길동

전송

4. 쿼리문 실행 결과 값 가져오기


```
1  <%@ page contentType="text/html; charset=utf-8"%>
2  <%@ page import="java.sql.*"%>
3  <html>
4  <head>
5  <title>Database SQL</title>
6  </head>
7  <body>
8      <%@ include file="dbconn.jsp" %>
9      <%
10         request.setCharacterEncoding("utf-8");
11
12         String id = request.getParameter("id");
13         String passwd = request.getParameter("passwd");
14         String name = request.getParameter("name");
15
16         ResultSet rs = null;
17         PreparedStatement pstmt = null;
18
19         try {
20             String sql = "select id, passwd from member where id = ?";
21             pstmt = conn.prepareStatement(sql);
```

update02.jsp | update02_process.jsp

Database SQL

/ch16/update02_process.jsp

Member 테이블을 수정했습니다.

SQL Results

Status | Result1

	id	passwd	name
1	1	1234	관리자
2	2	1235	수여인

Total 2 records shown

4. 쿼리문 실행 결과 값 가져오기

```
22              pstmt.setString(1, id);
23              rs = pstmt.executeQuery();
24              if (pstmt != null)
25                  pstmt.close();
26
27              if (rs.next()) {
28                  String rId = rs.getString("id");
29                  String rPasswd = rs.getString("passwd");
30
31                  if (id.equals(rId) && passwd.equals(rPasswd)) {
32                      sql = "update member set name = ? where id = ?";
33                      pstmt = conn.prepareStatement(sql);
34                      pstmt.setString(1, name);
35                      pstmt.setString(2, id);
36                      pstmt.executeUpdate();
37                      out.println("Member 테이블을 수정했습니다.");
38                  } else
39                      out.println("일치하는 비밀번호가 아닙니다");
40              } else
41                  out.println("Member 테이블에 일치하는 아이디가 없습니다.");
42          } catch (SQLException ex) {
43              out.println("SQLException: " + ex.getMessage());
44          } finally {
45              if (rs != null)
46                  rs.close();
47              if (pstmt != null)
48                  pstmt.close();
49              if (conn != null)
50                  conn.close();
51          }
52      %>
53 </body>
54 </html>
```

4. 쿼리문 실행 결과 값 가져오기

예제 16-9 PreparedStatement 객체를 이용하여 DELETE 쿼리문 실행 결과 값 가져오기

delete02.jsp ⋈

```jsp
1  <%@ page contentType="text/html; charset=utf-8"%>
2  <html>
3  <head>
4  <title>Database SQL</title>
5  </head>
6  <body>
7      <form method="post" action="delete02_process.jsp">
8          <p>아이디 : <input type="text" name="id">
9          <p>비밀번호 : <input type="password" name="passwd">
10         <p><input type="submit" value="전송">
11     </form>
12 </body>
13 </html>
14
```

Database SQL ⋈

/ch16/delete02.jsp

아이디 : 2

비밀번호 : ●●●●

전송

4. 쿼리문 실행 결과 값 가져오기

```jsp
delete02.jsp    delete02_process.jsp

1  <%@ page contentType="text/html; charset=utf-8"%>
2  <%@ page import="java.sql.*"%>
3  <html>
4  <head>
5  <title>Database SQL</title>
6  </head>
7  <body>
8  <%@ include file="dbconn.jsp" %>
9      <%
10         request.setCharacterEncoding("utf-8");
11
12         String id = request.getParameter("id");
13         String passwd = request.getParameter("passwd");
14         String name = request.getParameter("name");
15
16         ResultSet rs = null;
17         PreparedStatement pstmt = null;
```

Database SQL

/ch16/delete01_process.jsp

Member 테이블을 삭제했습니다.

SQL Results

Status | Result1

id	passwd	name

Total 0 records shown

4. 쿼리문 실행 결과 값 가져오기

```
19          try {
20              String sql = "select id, passwd from member where id = ?";
21              pstmt = conn.prepareStatement(sql);
22              pstmt.setString(1, id);
23              rs = pstmt.executeQuery();
24              if (pstmt != null)
25                  pstmt.close();
26
27              if (rs.next()) {
28                  String rId = rs.getString("id");
29                  String rPasswd = rs.getString("passwd");
30
31                  if (id.equals(rId) && passwd.equals(rPasswd)) {
32                      sql = "delete from member where id = ? and passwd = ?";
33                      pstmt = conn.prepareStatement(sql);
34                      pstmt.setString(1, id);
35                      pstmt.setString(2, passwd);
36                      pstmt.executeUpdate();
37                      out.println("Member 테이블을 삭제했습니다.");
38                  } else
39                      out.println("일치하는 비밀번호가 아닙니다");
40              } else
41                  out.println("Member 테이블에 일치하는 아이디가 없습니다.");
42          } catch (SQLException ex) {
43              out.println("SQLException: " + ex.getMessage());
44          } finally {
45              if (rs != null)
46                  rs.close();
47              if (pstmt != null)
48                  pstmt.close();
49              if (conn != null)
50                  conn.close();
51          }
52      %>
53 </body>
54 </html>
```