

# sql day4

## MySQL) C

```
INSERT INTO class1( c1name, c1etc)  
VALUES('test2','content');
```

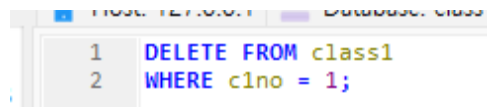
## R

```
SELECT *  
FROM class1;
```

## U

```
UPDATE class1  
SET c1name='update1', c1etc='updatecontent'  
WHERE c1no=1;
```

## D



```
1 DELETE FROM class1  
2 WHERE c1no = 1;
```

## #JSP Project ...

### C

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

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

<title>Insert title here</title>

</head>

<body>

<%

try {

```
        Class.forName("com.mysql.jdbc.Driver");
        out.print("드라이버 로드 성공 !!!<br>");

    }catch(ClassNotFoundException err) {

        out.print("드라이버 로드 실패 !!!<br>" + err.getMessage());
    }

    Connection conn = null;
    try {
        conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/class","root","0000");
        out.print("연결 객체 생성 성공 !!!<br>");

    }catch(SQLException err) {

        out.print("연결 객체 생성 실패 !!!<br>" + err.getMessage());
    }

    String sql = "CREATE TABLE class2 ("
        + "c1no int(10) AUTO_INCREMENT,"
        + "c1name VARCHAR(50) NULL DEFAULT NULL,"
        + "c1etc VARCHAR(50) NULL DEFAULT NULL ,"
        + "c1date TIMESTAMP NULL DEFAULT NOW(),"
        + "PRIMARY KEY (c1no) USING BTREE"
        + ")";

    PreparedStatement pstmt = conn.prepareStatement(sql);
    out.print("구문 생성 성공 !!!<br>");

    pstmt.executeUpdate();
    out.print("디비 생성 성공 !!!<br>");

    pstmt.close();
    conn.close();

    %>
```

</body>

</html>

R

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

```

<%@ page import="java.sql.*" %>
<!DOCTYPE html> <html> <head>
<meta charset="UTF-8">
<title>Step 0</title> </head> <body>

<%
try {

```

```

    Class.forName("com.mysql.jdbc.Driver");
    out.print("드라이버 로드 성공!!!<br>");

} catch (ClassNotFoundException err) {
    out.print("드라이버 로드 실패!!!<br>" + err.getMessage());
}

    Connection conn = null;
    try {

        conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/class", "root", "0000");
        out.print("연결 객체 생성 성공!!!<br>");

    } catch (SQLException err) {
        out.print("연결 객체 생성 실패!!!<br>" + err.getMessage());
    }

    String sql = "CREATE TABLE class7("
        + "c1no INT(10) NOT NULL AUTO_INCREMENT, "
        + "c1name VARCHAR(50), "
        + "c1etc VARCHAR(100), "
        + "c1date TIMESTAMP NULL DEFAULT (now()), "
        + "PRIMARY KEY(c1no))";

    PreparedStatement pstmt = conn.prepareStatement(sql);
    out.print("구문 생성 성공!!!<br>");

    pstmt.executeUpdate();
    out.print("디비 생성 성공!!!<br>");

    pstmt.close();
    conn.close();
%>

```

## #JSP Database

### JDBC-Basic

#### Basic

#### C R U D

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

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

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Create</title>
</head>
<body>

<%
    Class.forName("com.mysql.jdbc.Driver");

    Connection conn = null;

    String hostname = "jdbc:mysql://localhost:3306/class";

    String username = "root";

    String password = "0000";

    conn = DriverManager.getConnection(hostname, username, password);
%>

<%

    String sql = "INSERT INTO class1 (c1name, c1etc) VALUES('temp', 'tempcontent')";

    PreparedStatement pstmt = conn.prepareStatement(sql);

    pstmt.executeUpdate();

%>

</body>
</html>
```

```

<%

String sql = "INSERT INTO class1 (c1name, c1etc) VALUES(?,?)";

PreparedStatement pstmt = conn.prepareStatement(sql);
    pstmt.setString(1, 'mmmm');
    pstmt.setString(2, 'mcontent');

pstmt.executeUpdate();

%>

```

## C R U D

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Read1</title>
</head>
<body>
<%
Class.forName("com.mysql.jdbc.Driver");

```

```

Connection conn = null;

String hostname = "jdbc:mysql://localhost:3306/class";
String username = "root";
String password = "0000";

conn = DriverManager.getConnection(hostname, username, password);

String sql = "SELECT * FROM class1";

```

```

PreparedStatement pstmt = conn.prepareStatement(sql);

ResultSet rset = pstmt.executeQuery();

while(rset.next()) {

    String c1no = rset.getString("c1no");
    String c1name = rset.getString("c1name");
    String c1etc = rset.getString("c1etc");
    String c1date = rset.getString("c1date");

    out.print(c1no);
    out.print(c1name);
    out.print(c1etc);
    out.print(c1date);

}

```

```

%>
</body>
</html>

<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Read1</title>
</head>
<body>
<%
Class.forName("com.mysql.jdbc.Driver");

```

```

Connection conn = null;

String hostname = "jdbc:mysql://localhost:3306/class";
String username = "root";
String password = "0000";

conn = DriverManager.getConnection(hostname, username, password);

```

```
String sql = "SELECT * FROM class1";

PreparedStatement pstmt = conn.prepareStatement(sql);

ResultSet rset = pstmt.executeQuery();

while(rset.next()) {

    String c1no = rset.getString("c1no");
    String c1name = rset.getString("c1name");
    String c1etc = rset.getString("c1etc");
    String c1date = rset.getString("c1date");
```

```
%>
```

```
<%=c1no %> <%=c1name %> <%=c1etc %> <%=c1date %><br>
```

```
<%
```

```
}
```

```
%>
```

```
</body>
```

```
</html>
```

## C R U D

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>CREATE</title>
</head>
<body>
<%
    Class.forName("com.mysql.jdbc.Driver");

    Connection conn = null;

    String hostname = "jdbc:mysql://localhost:3306/class";
    String username = "root";
    String password = "0000";

    conn = DriverManager.getConnection(hostname, username, password);

    String sql = "UPDATE class1 SET cname = ?, cetc = ? WHERE cno = ?";
```

```

        PreparedStatement pstmt = conn.prepareStatement(sql);
        pstmt.setString(1, "김민수");
        pstmt.setString(2, "tset5");
        pstmt.setInt(3, 5);

        pstmt.executeUpdate();

        pstmt.close();
        conn.close();

    %>
</body>
</html>

```

## CRUD

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
    <%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>CREATE</title>
</head>
<body>
<%
    Class.forName("com.mysql.jdbc.Driver");

    Connection conn = null;

    String hostname = "jdbc:mysql://localhost:3306/class";
    String username = "root";
    String password = "0000";

    conn = DriverManager.getConnection(hostname, username, password);

    String sql = "DELETE FROM class1 WHERE cno = ?";

    PreparedStatement pstmt = conn.prepareStatement(sql);
    pstmt.setInt(1, 5);

    pstmt.executeUpdate();

    pstmt.close();
    conn.close();

    %>
</body>
</html>

```



#while 과 for 중... ) for 문을 더 많이 쓴다.

## #JDBC-File

### Basic

#### C R U D

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

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

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Create</title>
</head>
<body>

<%@ include file = "dbconnect.inc"%>

<%

    String sql = "INSERT INTO class1 (c1name, c1etc) VALUES('555', '5555')";

    PreparedStatement pstmt = conn.prepareStatement(sql);

    pstmt.executeUpdate();

%>

</body>
</html>
```

#### C R U D

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
    <%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<%@include file = "dbconnect.inc" %>
```

```

<%
String sql = "SELECT * FROM class1";
PreparedStatement pstmt = conn.prepareStatement(sql);
ResultSet rset = pstmt.executeQuery();

while(rset.next()){
    String c1no = rset.getString("c1no");
    String c1name = rset.getString("c1name");
    String c1etc = rset.getString("c1etc");
    String c1date = rset.getString("c1date");
%>
    <%=c1no %> <%=c1name %> <%=c1etc %> <%=c1date %> <br>

<%
}
%>
</body>
</html>

```

## CRUD

```

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

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

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>

<%@ include file = "dbconnect.inc"%>

<%
String sql = "UPDATE class1 SET c1name=? WHERE c1no = ?";

    PreparedStatement pstmt = conn.prepareStatement(sql);
    pstmt.setString(1,"iron");
    pstmt.setInt(2,3);

    pstmt.executeUpdate();
%>
</body>
</html>

```

## C R U D

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

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Insert title here</title>
```

```
</head>
```

```
<body>
```

```
<%@ include file = "dbconnect.inc"%>
```

```
<%
```

```
String sql = "DELETE FROM class1 WHERE c1no = ?";
```

```
PreparedStatement pstmt = conn.prepareStatement(sql);
pstmt.setInt(1, 8);
```

```
pstmt.executeUpdate();
```

```
%>
```

```
</body>
```

```
</html>
```

## JDBC-Class

```
package jdbcclass;
```

```
import java.sql.*;
```

```
public class dbconnect {
```

```
    public static Connection getConnection() throws ClassNotFoundException, SQLException {
```

```
        Class.forName("com.mysql.jdbc.Driver");
```

```
        Connection conn = null;
```

```

String hostname = "jdbc:mysql://localhost:3306/class";
String username = "root";
String password = "0000";

conn = DriverManager.getConnection(hostname, username, password);

PreparedStatement pstmt = null;

return conn;
}
}

```

C

```

<%@page import="java.sql.DriverManager"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>

<%@ page import="java.sql." %>
<%@ page import="jdbc.class." %>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Create</title>
</head>
<body>

<%
Connection conn = null;
conn = dbconnect.getConnection();

```

```

String sql = "INSERT INTO class1 (cname, c1etc) VALUES ('cup', 'drink')";
PreparedStatement pstmt = conn.prepareStatement(sql);
pstmt.executeUpdate();

```

```

%>

```

```

</body>
</html>

```

R

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<%@ page import = "java.sql." %>
<%@ page import = "jdbcclass." %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>

<%
Connection conn = null;
conn = dbconnect.getConnection();

```

```

String sql = "SELECT * FROM class1";
PreparedStatement pstmt = conn.prepareStatement(sql);

ResultSet rset = pstmt.executeQuery();

while(rset.next()){

    String c1no = rset.getString("c1no");
    String c1name = rset.getString("c1name");
    String c1etc = rset.getString("c1etc");
    String c1date = rset.getString("c1date");

```

```

%>

<%= c1no %>
<%= c1name %>
<%= c1etc %>
<%= c1date %> <br>
<%
}
%>
</body>
</html>

```

U

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

```
<%@ page import="java.sql.*" %>
<%@ page import="jdbc.class.*" %>
```

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<%
Connection conn = null;
conn = dbconnect.getConnection();
```

```
String sql = "UPDATE class1 SET c1name=? WHERE c1no = ?";

PreparedStatement pstmt = conn.prepareStatement(sql);
pstmt.setString(1, "물?루");
pstmt.setInt(2, 4);

pstmt.executeUpdate();
%>
```

```
</body>
</html>
```

D

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

```
<%@ page import="java.sql.*" %>
<%@ page import="jdbc.class.*" %>
```

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
```

```
<title>Update title here</title>
```

```
</head>
```

```
<body>
```

```
<%
```

```
Connection conn = null;
```

```
conn = dbconnect.getConnection();
```

```
String sql = "DELETE FROM class1 WHERE c1no = ?";
```

```
PreparedStatement pstmt = conn.prepareStatement(sql);  
pstmt.setInt(1, 3);
```

```
pstmt.executeUpdate();
```

```
%>
```

```
</body>
```

```
</html>
```

Connection Pool ) 내일

내일은 더 열심히...