

JSP 게시판 강좌 따라하기 3강

회원 데이터베이스 구축

MariaDB 설치 - 1강 참조

회원 데이터베이스 테이블 만들기

MariaDB 설치가 정상적으로 완료되었다면 MariaDB 커맨드 창을 실행합니다



```
MySQL Client (MariaDB 10.2 (x64)) - "C:\Program Files\MariaDB 10.2\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.2\data\...
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 179
Server version: 10.2.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| test |
+-----+
4 rows in set (0.01 sec)

MariaDB [(none)]> create database BBS;
Query OK, 1 row affected (0.01 sec)
```

'show databases' = 현재 존재하는 데이터베이스 목록 보기

'create database BBS' = 'BBS'라는 이름의 데이터베이스 생성

```
MySQL Client (MariaDB 10.2 (x64)) - "C:\Program Files\MariaDB 10.2\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.2\data\my.ini" -uroot -p
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 181
Server version: 10.2.32-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use BBS;
Database changed
MariaDB [BBS]> create table USER(
  -> userID varchar(20),
  -> userPassword varchar(20),
  -> userName varchar(20),
  -> userGender varchar(20),
  -> userEmail varchar(50),
  -> primary key(userID)
  -> );
Query OK, 0 rows affected (0.04 sec)

MariaDB [BBS]> show tables;
+-----+
| Tables_in_bbs |
+-----+
| user           |
+-----+
1 row in set (0.04 sec)

MariaDB [BBS]> desc user;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| userID     | varchar(20) | NO   | PRI | NULL    |       |
| userPassword | varchar(20) | YES  |     | NULL    |       |
| userName    | varchar(20) | YES  |     | NULL    |       |
| userGender  | varchar(20) | YES  |     | NULL    |       |
| userEmail   | varchar(50) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.03 sec)

MariaDB [BBS]>
```

'use BBS' = 데이터베이스 'BBS' 를 사용한다

새로운 테이블 'USER'를 생성한다

```
create table USER(
    userID varchar(20),
    userPassword varchar(20),
    userName varchar(20),
    userGender varchar(20),
    userEmail varchar(50),
    primary key(userID)
);
```

```
MySQL Client (MariaDB 10.2 (x64)) - "C:\Program Files\MariaDB 10.2\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.2\data#...
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '?' for help. Type 'wc' to clear the current input statement.

MariaDB [(none)]> use bbs;
Database changed
MariaDB [bbs]> show tables;
+-----+
| Tables_in_bbs |
+-----+
| user           |
+-----+
1 row in set (0.00 sec)

MariaDB [bbs]> desc user;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| userID     | varchar(20) | NO   | PRI | NULL    |       |
| userPassword | varchar(20) | YES  |     | NULL    |       |
| userName   | varchar(20) | YES  |     | NULL    |       |
| userGender | varchar(20) | YES  |     | NULL    |       |
| userEmail  | varchar(50) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

MariaDB [bbs]> insert into user values('gildong', '123', '홍길동', '남자', 'gildong@naver.com');
Query OK, 1 row affected (0.01 sec)

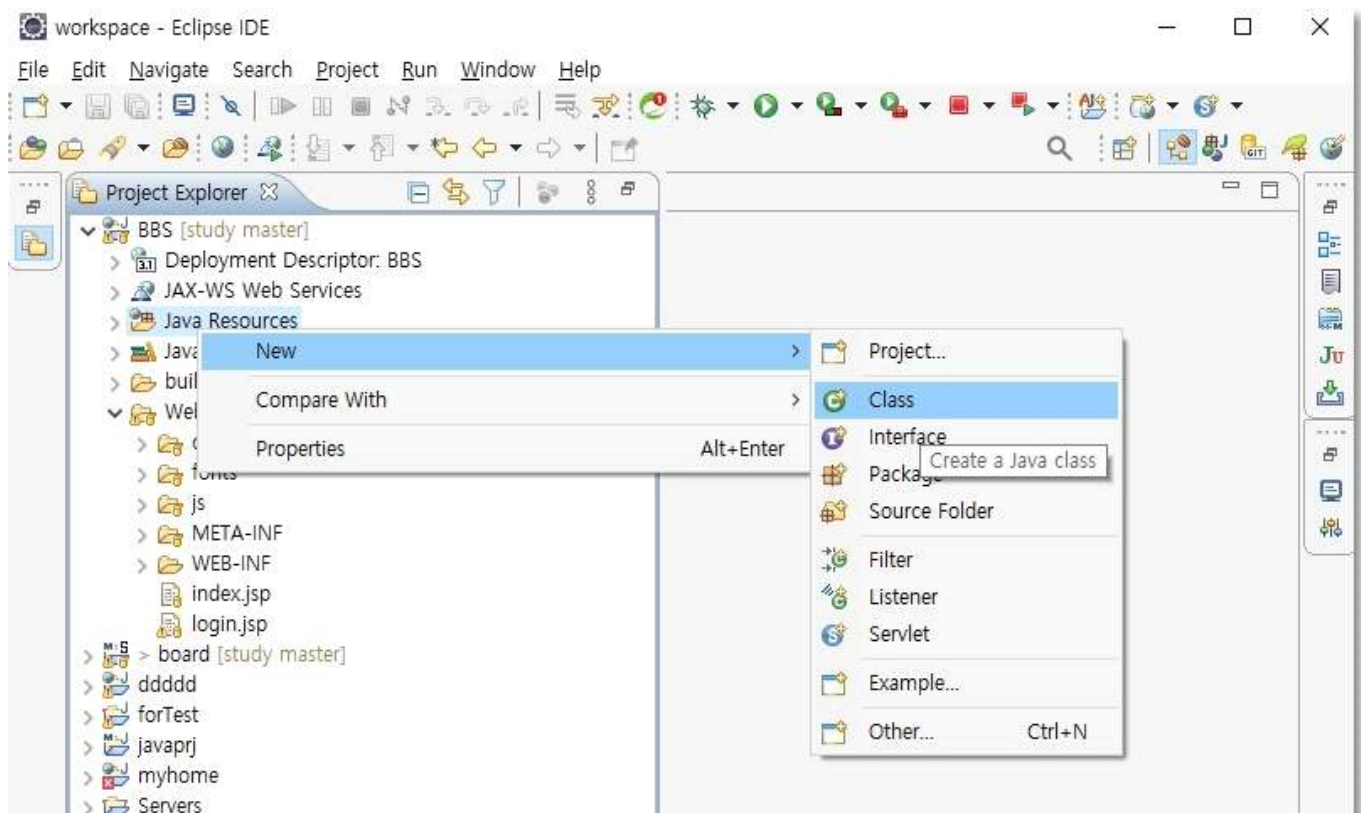
MariaDB [bbs]>
```

'show tables' = 테이블 목록 보기

'desc user' = 'user' 테이블의 리스트와 속성 보기

User 클래스 생성

이클립스로 들어갑니다



[Java Resources 마우스 우클릭] - [New] - [Class]

Java Class
Create a new Java class.

Source folder: BBS/src Browse...

Package: user Browse...

☐ Enclosing type: Browse...

Name: User

Modifiers: ☒ public ☐ package ☐ private ☐ protected
☐ abstract ☐ final ☐ static

Superclass: java.lang.Object Browse...

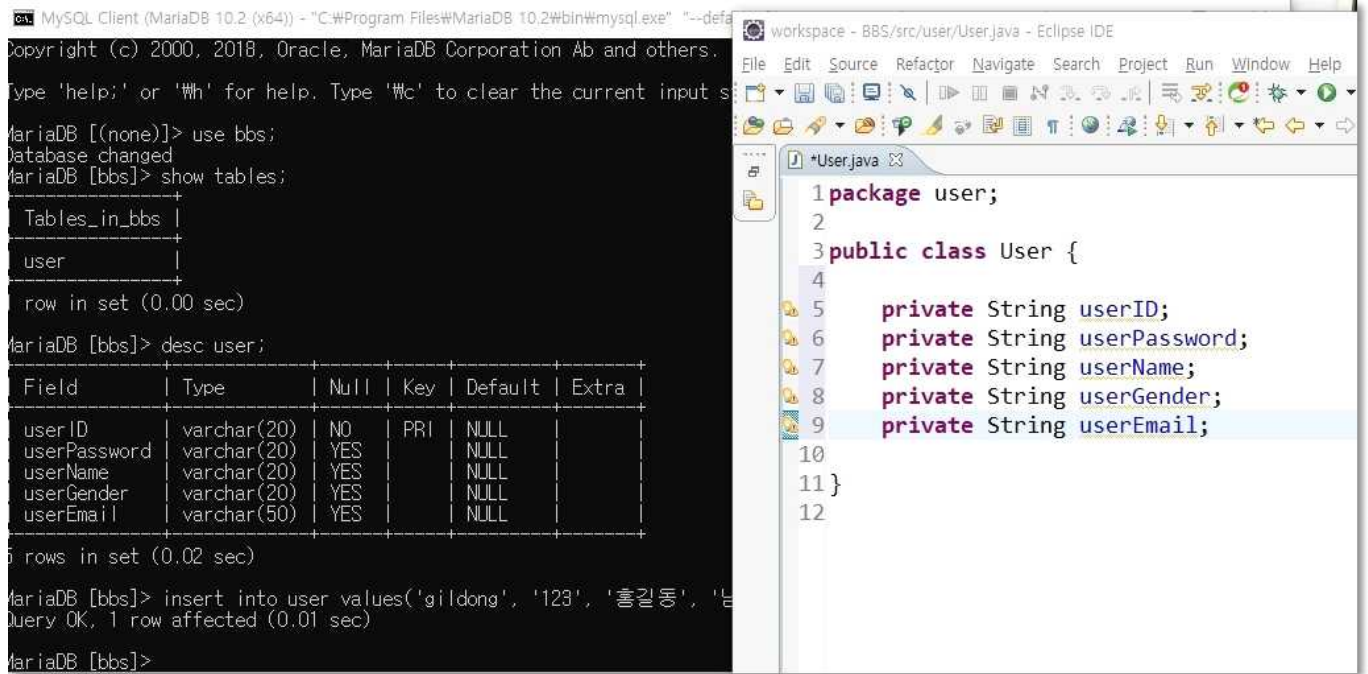
Interfaces: Add... Remove

Which method stubs would you like to create?
☐ public static void main(String[] args)
☐ Constructors from superclass
☒ Inherited abstract methods

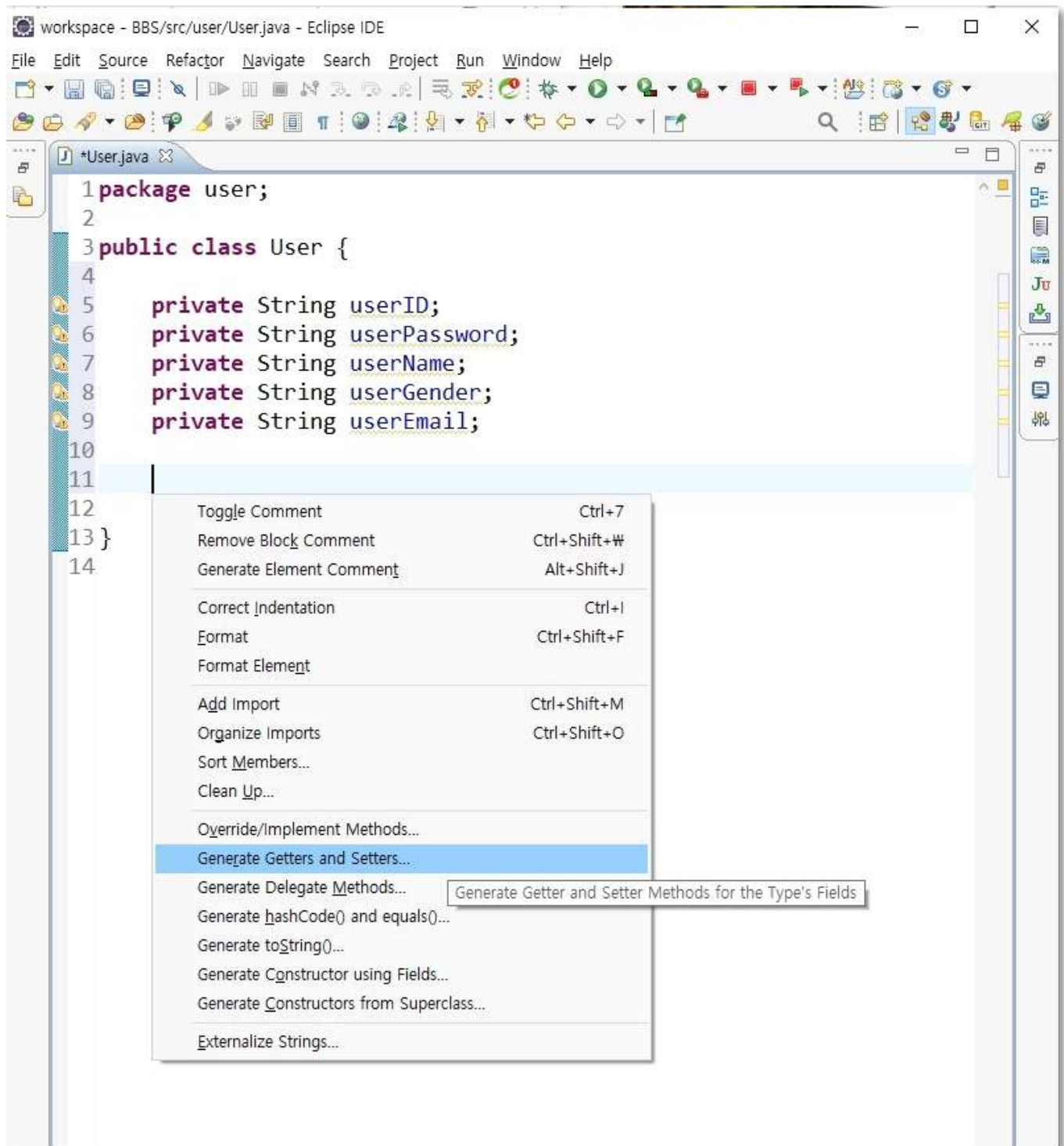
Do you want to add comments? (Configure templates and default value [here](#))
☐ Generate comments

? Finish Cancel

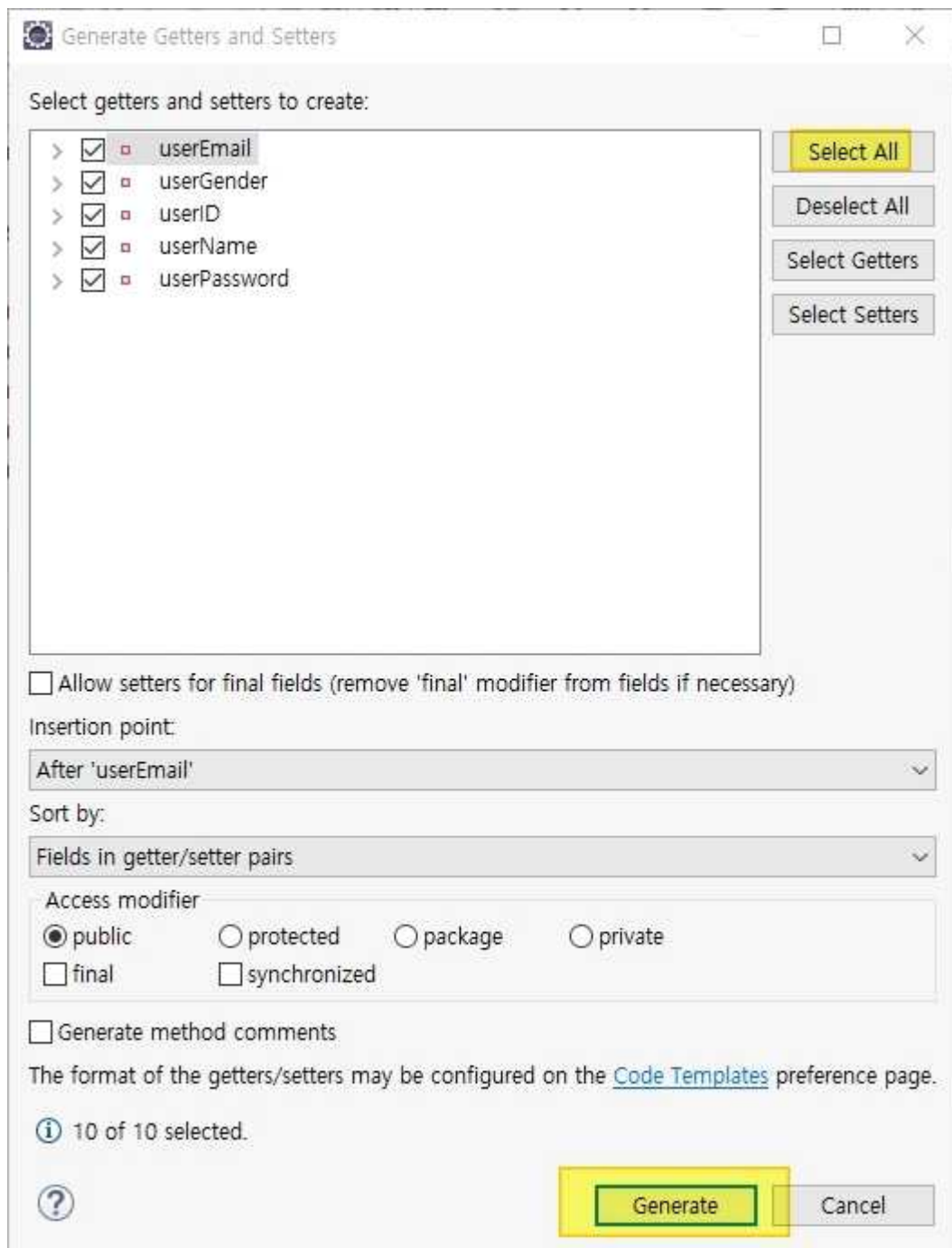
패키지 이름 = 'user' / 클래스 이름 = "User"



'User' 클래스의 필드를 아까 만들었던 데이터베이스 테이블과 똑같이 작성합니다



[마우스 우클릭] 혹은 [Alt + Shift + S] - [Generate Getters and Setters]



[Select All] – [Generate]

```
1 package user;
2
3 public class User {
4
5     private String userID;
6     private String userPassword;
7     private String userName;
8     private String userGender;
9     private String userEmail;
10
11     public String getUserID() {
12         return userID;
13     }
14     public void setUserID(String userID) {
15         this.userID = userID;
16     }
17     public String getUserPassword() {
18         return userPassword;
19     }
20     public void setUserPassword(String userPassword) {
21         this.userPassword = userPassword;
22     }
23     public String.getUserName() {
24         return userName;
25     }
26     public void setUserName(String userName) {
27         this.userName = userName;
28     }
29     public String getUserGender() {
30         return userGender;
31     }
32     public void setUserGender(String userGender) {
33         this.userGender = userGender;
34     }
35     public String getUserEmail() {
36         return userEmail;
37     }
38     public void setUserEmail(String userEmail) {
39         this.userEmail = userEmail;
40     }
41 }
```


한명의회원데이터를다룰수있는데이터베이스및자바빈즈가완성되었습니다