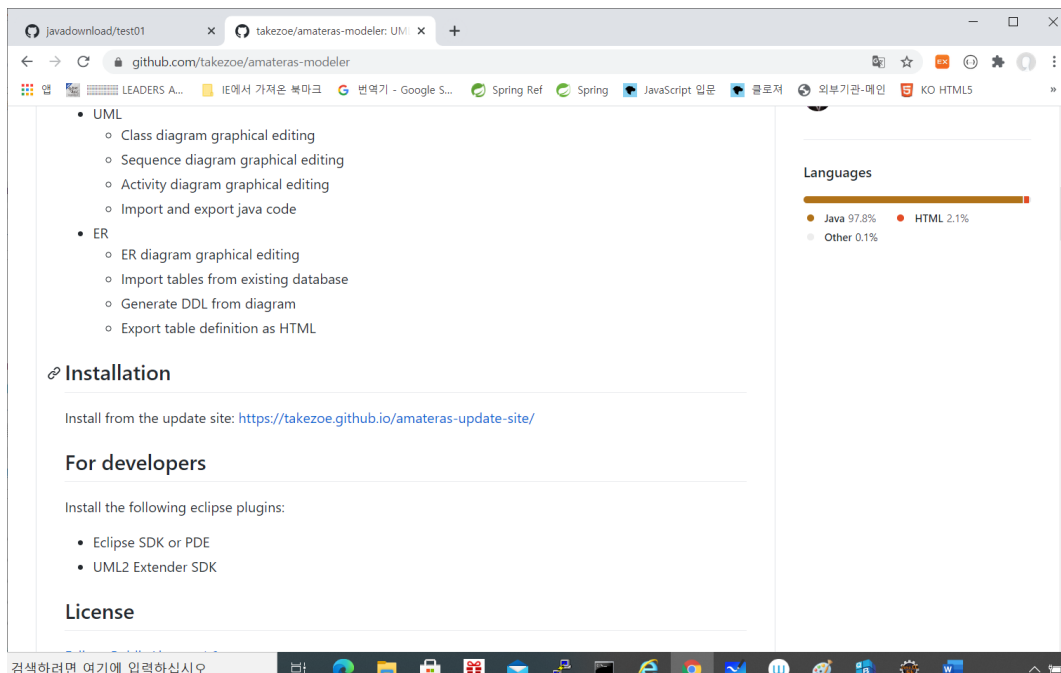
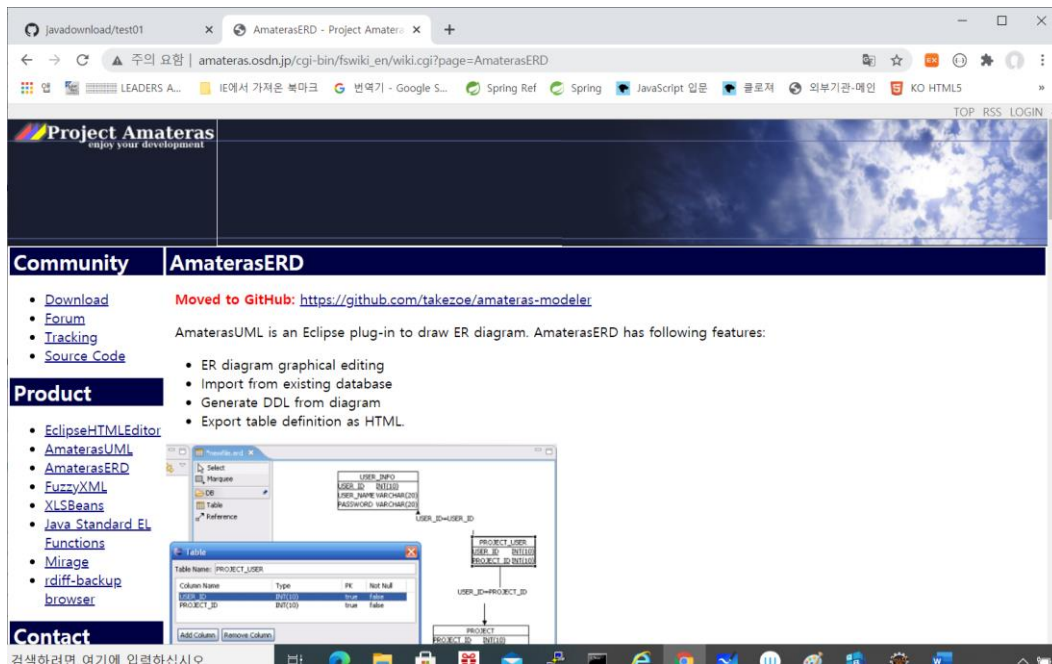
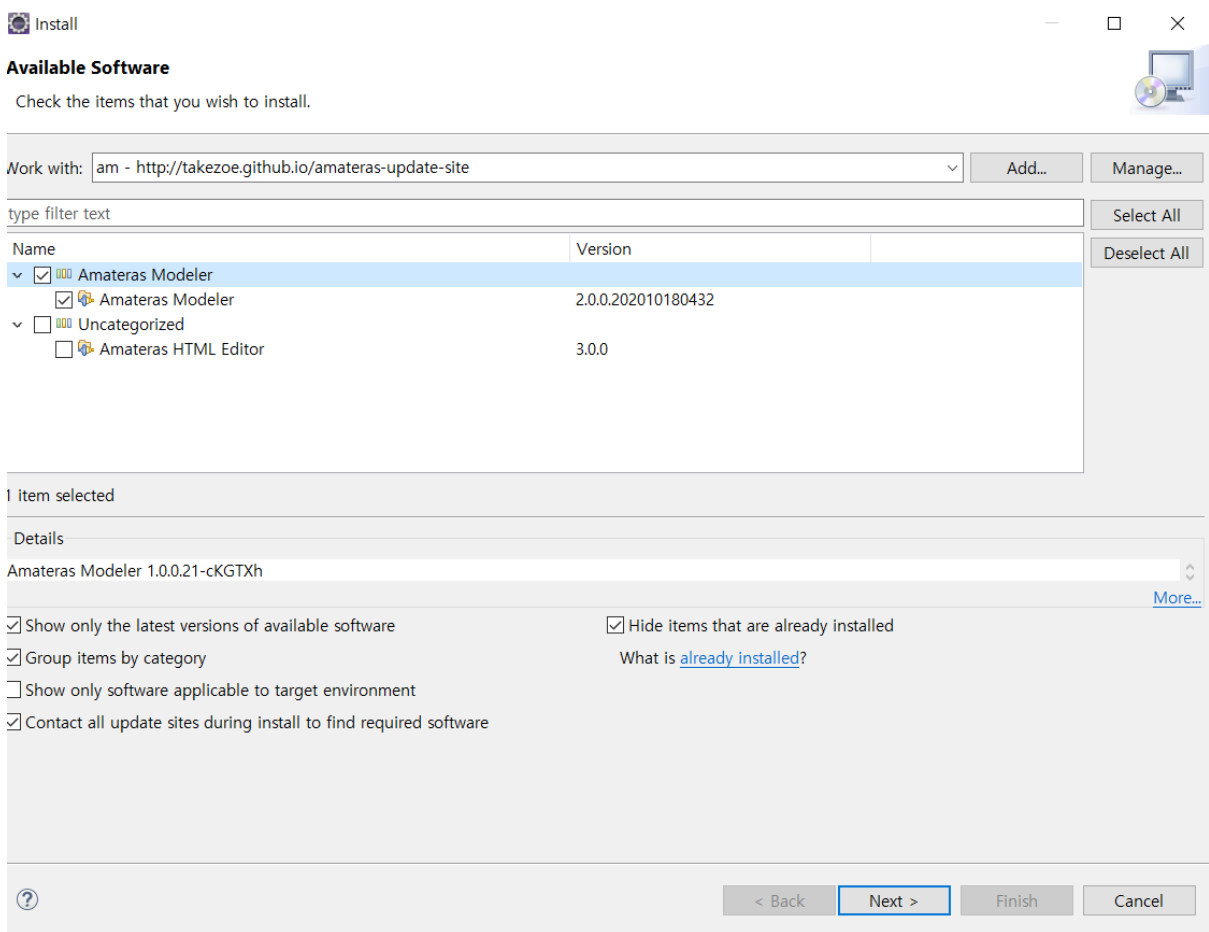
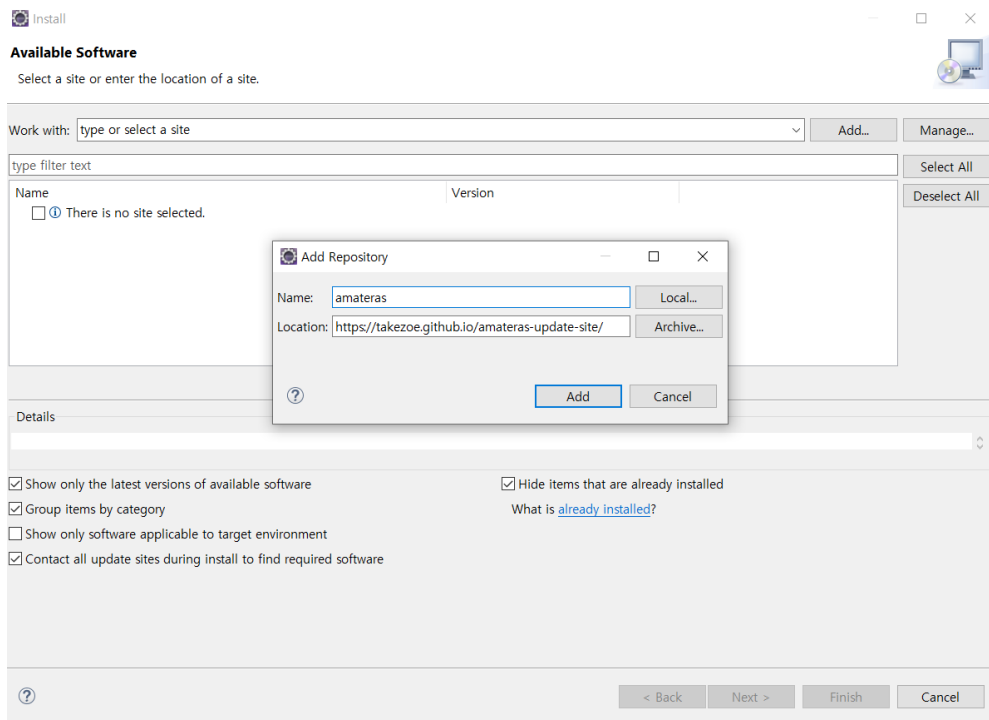
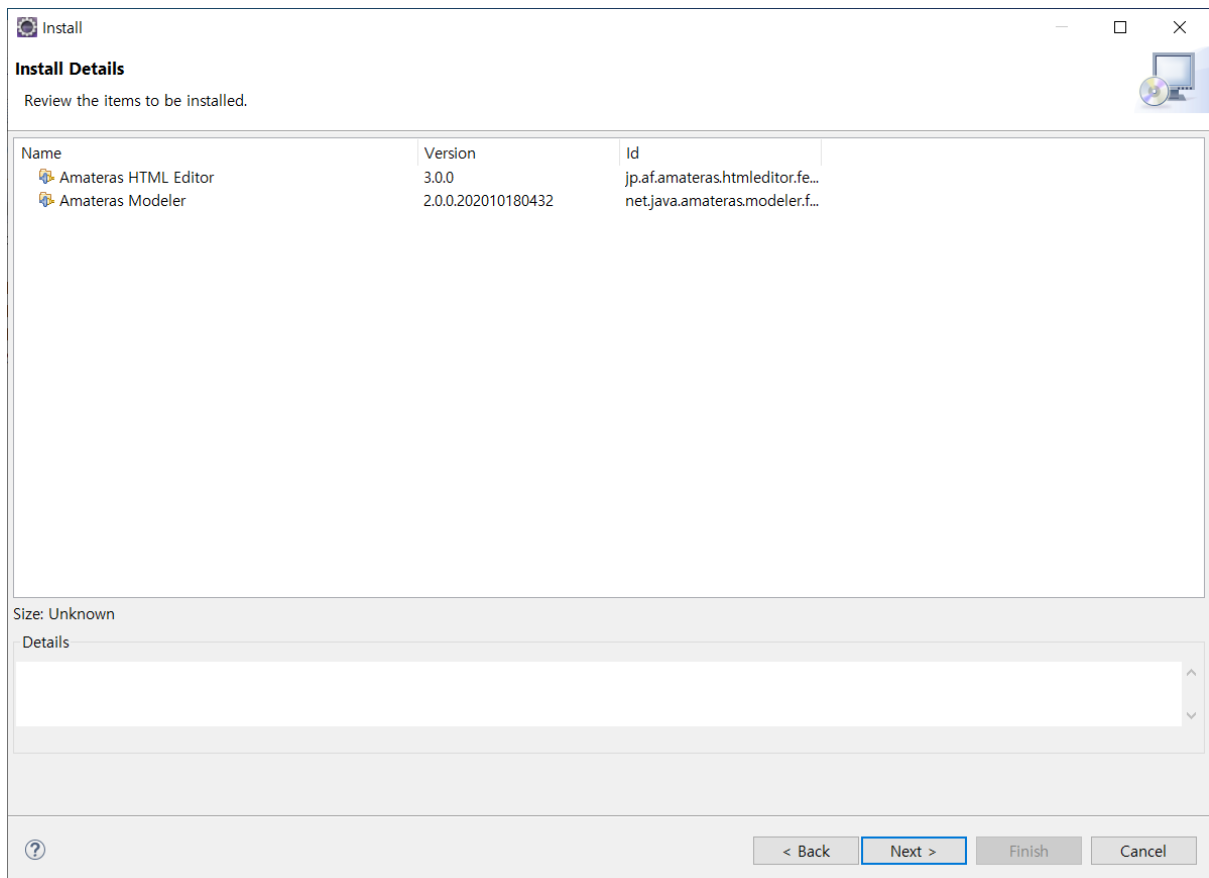
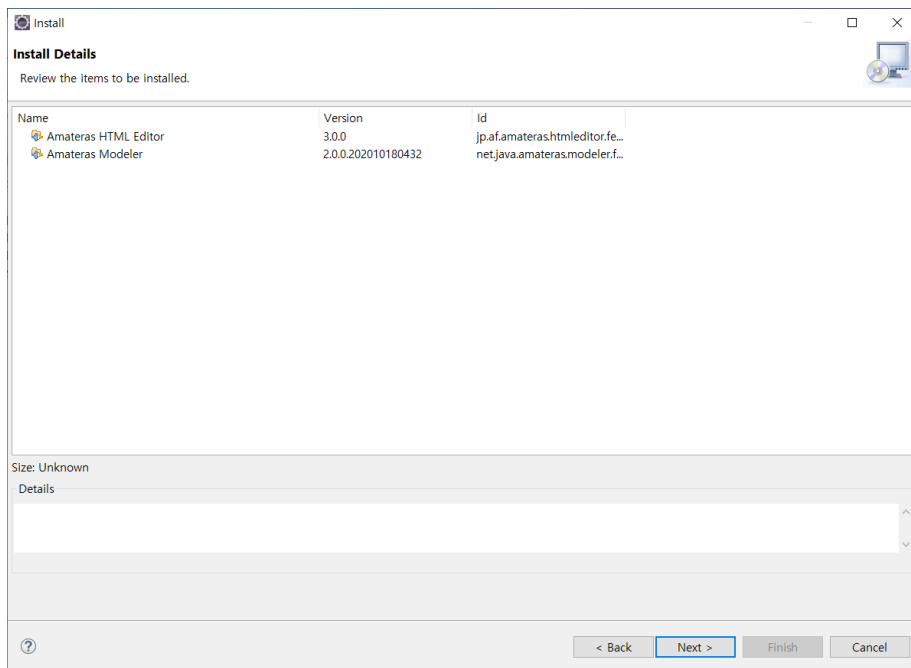


오픈소스 중 선정된 ERD 작성도구는 **AmaterasERD**로서 논리모델과 물리모델 작성을 지원
AmaterasERD 설치후 이클립스 에러 주의 **html**에디터 제외한다.



Install from the update site: <https://takezoe.github.io/amateras-update-site/>





ERMaster

1. 이클립스 실행
2. Help - Install New Software
3. Add
 - Name : ERMaster
 - Location : <http://ermaster.sourceforge.net/update-site/>
4. 설치

eclipse help/install


Amateras <https://takezoe.github.io/amateras-update-site/>
<https://takezoe.github.io/amateras-update-site/>

이클립스에설치

(M:) > 2017_09 > eclipse > eclipse_neon >

Name	Date modified	Type	Size
configuration	2017-10-22 오후 1...	File folder	
dropins	2017-03-14 오후 2:...	File folder	
features	2017-08-01 오후 1...	File folder	
p2	2017-10-22 오후 1...	File folder	
plugins	2017-08-01 오후 1...	File folder	
readme	2017-08-01 오후 1...	File folder	
.eclipseproduct	2017-01-03 오후 2:...	ECLIPSEPRODUCT...	1 KB
artifacts	2017-03-14 오후 2:...	XML Document	282 KB
eclipse	2017-03-14 오후 2:...	Application	313 KB
eclipse	2017-03-14 오후 2:...	Configuration sett...	1 KB
eclipsec	2017-03-14 오후 2:...	Application	25 KB

http://amateras.osdn.jp/cgi-bin/fswiki_en/wiki.cgi?page=AmaterasERD



http://amateras.osdn.jp/cgi-bin/fswiki_en/wiki.cgi?page=AmaterasERD

AmaterasERD : 네이버 ... Smile virus :: [이클립스] ... 내꿈을찾아서 : 네이버 ... amateras-modeler/erd-t.

File Edit View Favorites Tools Help


Download

- [net.java.amateras.db.1.0.9.jar](#)
- [net.java.amateras.db.1.0.8.jar](#)
- [net.java.amateras.db.1.0.7.1.jar](#)
- [net.java.amateras.db.1.0.6.jar](#)
- [net.java.amateras.db.1.0.5.jar](#)
- [net.java.amateras.db.1.0.4.1.jar](#)
- [net.java.amateras.db.1.0.4.jar](#)
- [net.java.amateras.db.1.0.3.jar](#)

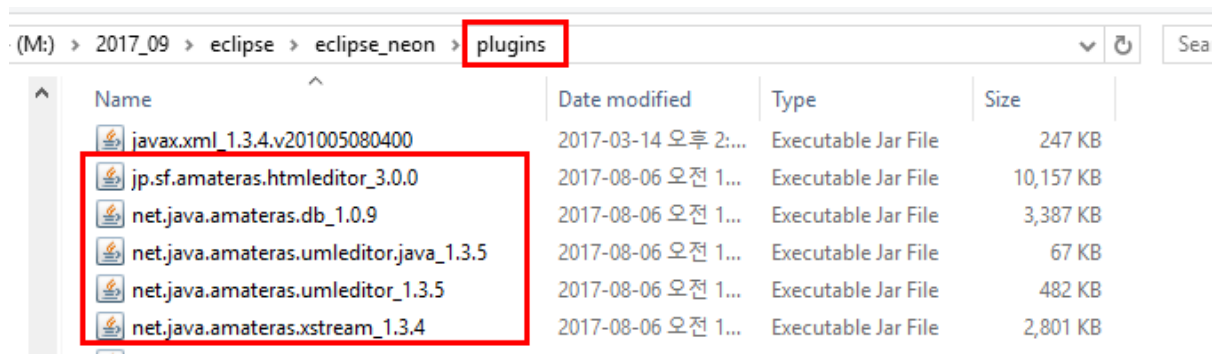
<https://ko.osdn.net/projects/amateras/releases/>

https://ko.osdn.net/projects/amateras/downloads/56181/net.java.amateras.db_1.0.9.jar/

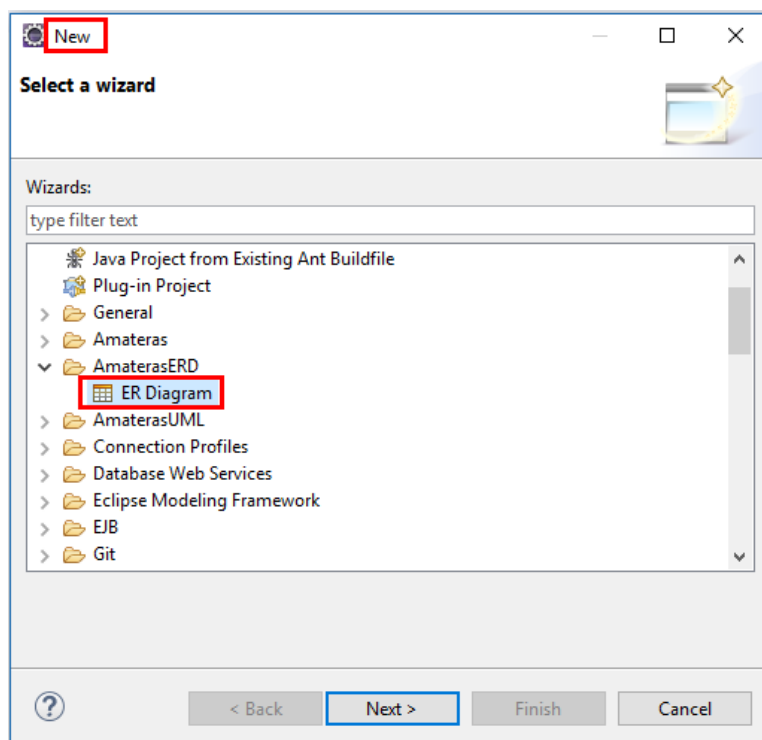
다운받은

 net.java.amateras.db_1.0.9	2017-10-29 오후 2:...	Executable Jar File	3,551 KB
--	---------------------	---------------------	----------

plugins 폴더에 복사한다.



```
Class.forName("oracle.jdbc.driver.OracleDriver");  
String url ="jdbc:oracle:thin:@127.0.0.1:1521:xe";  
String user="hr";  
String pw="hr";
```



New DataBase Diagram

Create new database diagram.

Enter or select the parent folder:

DB/DB_Model

DB

- .settings
- bin
- DB_Model
- src
- RemoteSystemsTempFiles
- Servers
- web_html5_css3

File name: test1.erd

Advanced >>

SQL Dialect: Oracle

< Back Next > Finish

New DataBase Diagram

Import tables from database

Select tables which are imported to this diagram.

JAR File: C:\lib\ojdbc6.jar Browse Filesystem... Browse Workspace...

JDBC Driver: oracle.jdbc.OracleDriver

Database URI: jdbc:oracle:thin:@127.0.0.1:1521:xe

User: scott

Password:

Schema: SCOTT

Catalog:

View: ☐

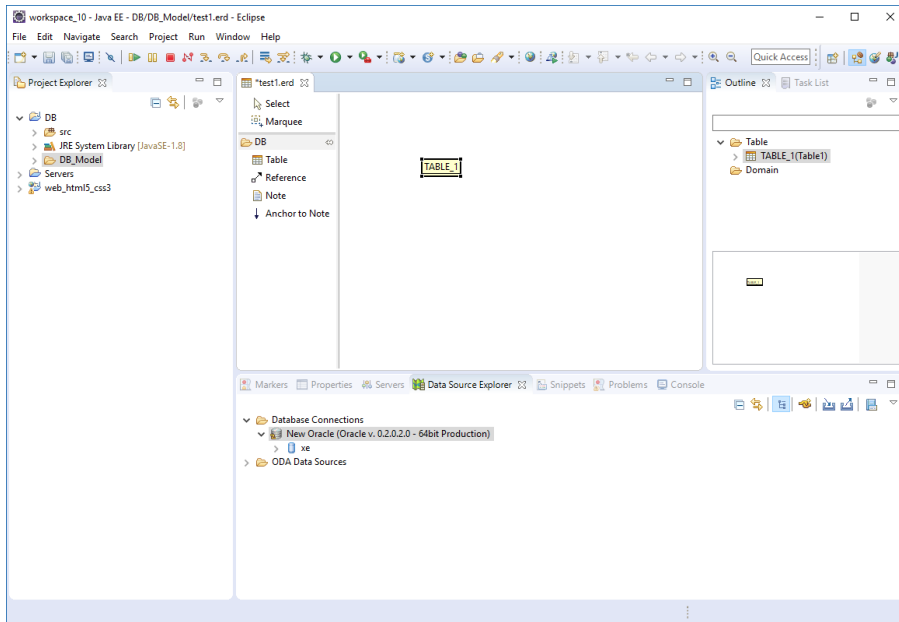
Load tables

Filter:

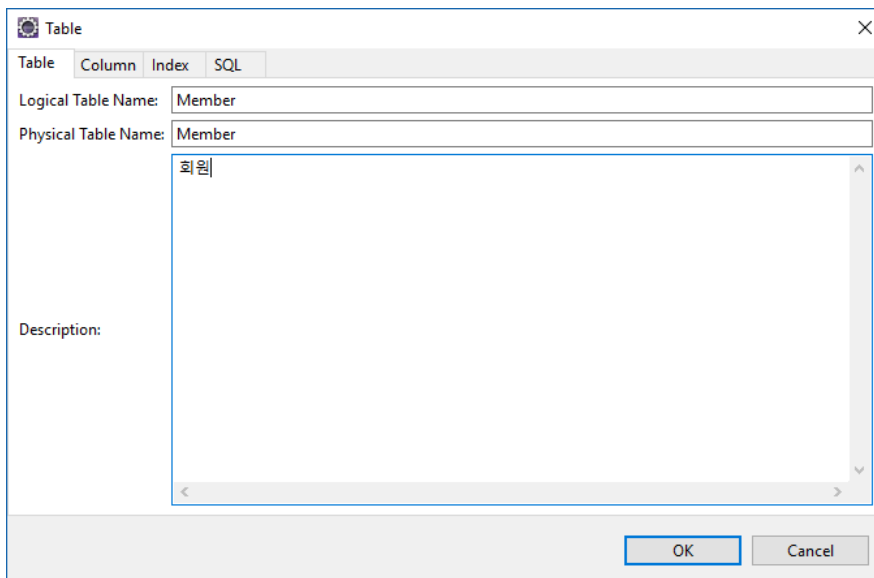
Tables:

☐ Convert physical name to logical name automatically (for Japanese)

? < Back Next > Finish Cancel



table을 끌어다 놓고 더블클릭한다.



Table

Table

Column

Index

SQL

Logical Column Name	Physical Column Name	Type	PK	No...
ID	ID	NUMBER(5)	true	false
name	name	VARCHAR2(10)	false	true

Add Column

Remove Column

Move Up

Move Down

Edit Column

Logical Column Name:

Physical Column Name: Type:

VARCHAR2 - String

 Size:

Description:

이름

☐ PK

☒ Not Null

☐ Auto Increment

Default Value:

OK

Cancel

Table

Table

Column

Index

SQL

Logical Column Name	Physical Column Name	Type	PK	No...
ID	ID	NUMBER(5)	true	false
name	name	VARCHAR2(10)	false	true
email	email	VARCHAR2(30)	false	false

Add Column

Remove Column

Move Up

Move Down

Edit Column

Logical Column Name:

Physical Column Name: Type:

VARCHAR2 - String

 Size:

Description:

dlapdlf

☐ PK

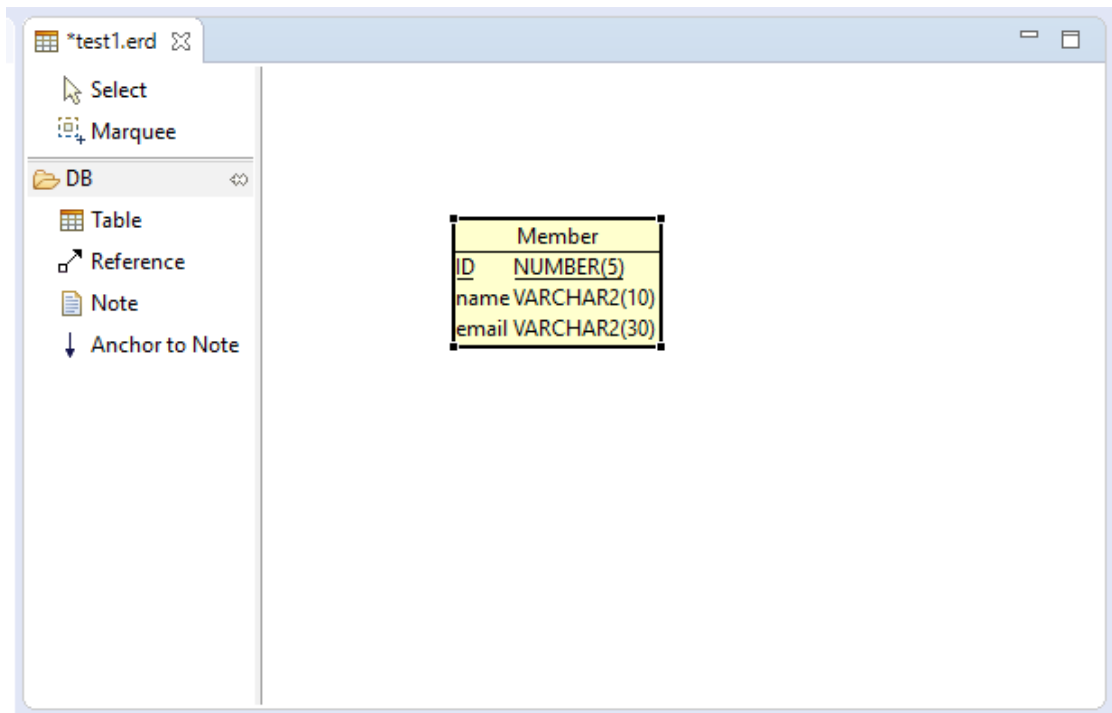
☐ Not Null

☐ Auto Increment

Default Value:

OK

Cancel



Table

Table Column Index SQL

Logical Table Name: board

Physical Table Name: board

Description:

게시판

OK Cancel

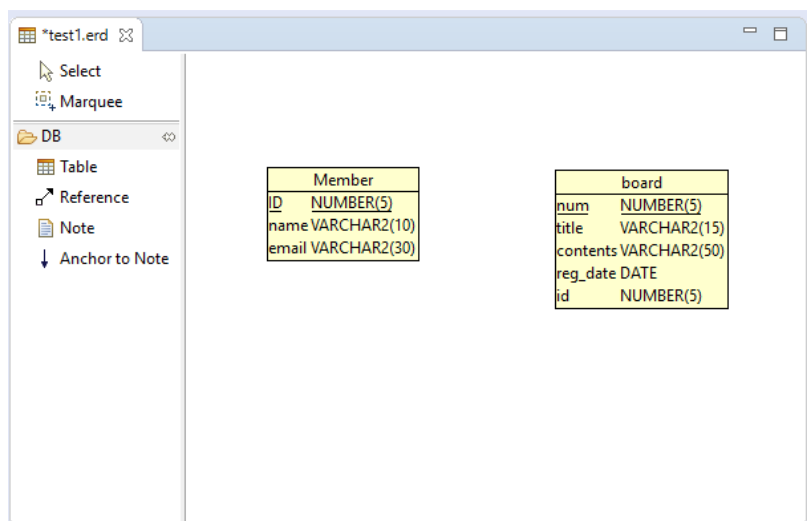
Logical Column Name	Physical Column Name	Type	PK	No...
num	num	NUMBER(5)	true	false
title	title	VARCHAR2(15)	false	false
contents	contents	VARCHAR2(50)	false	false
reg_date	reg_date	DATE	false	false
id	id	NUMBER(5)	false	false

Add Column
Remove Column
Move Up
Move Down

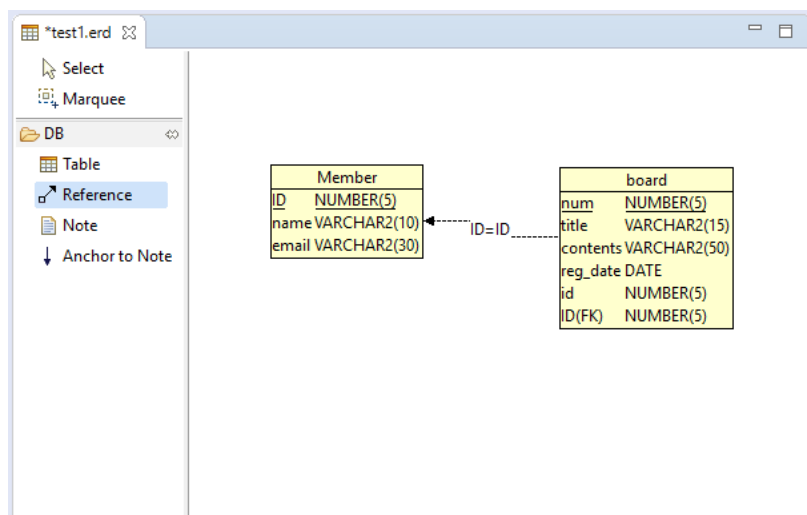
Edit Column
Logical Column Name:
Physical Column Name: Type: NUMBER - Numeric Size:
Description:
☐ PK ☐ Not Null ☐ Auto Increment Default Value:

OK Cancel

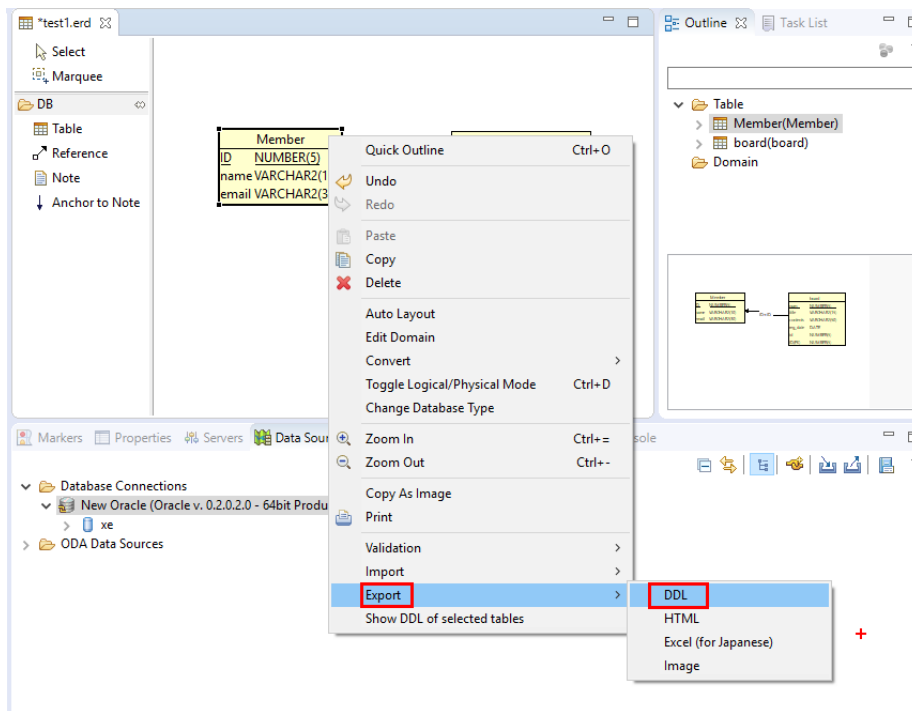
board seq인경우 autoincrement 선택하면 트리거 이용 시퀀스 증가
sql 탭에서 insert 구문 생성 활용



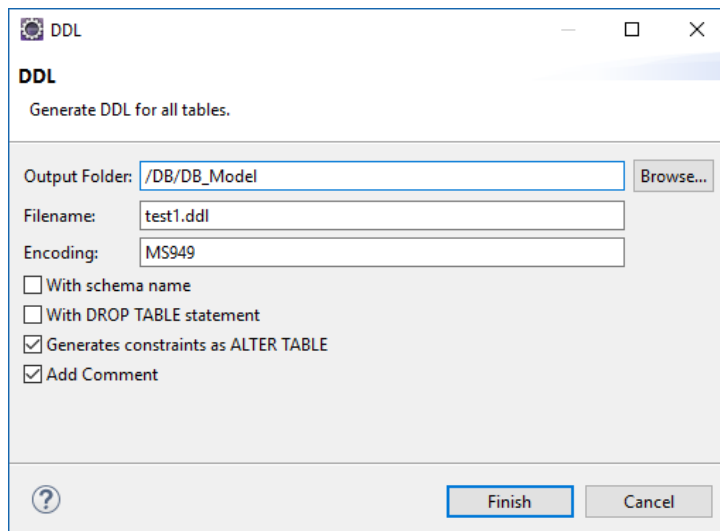
레퍼런스 설정을 해준다.



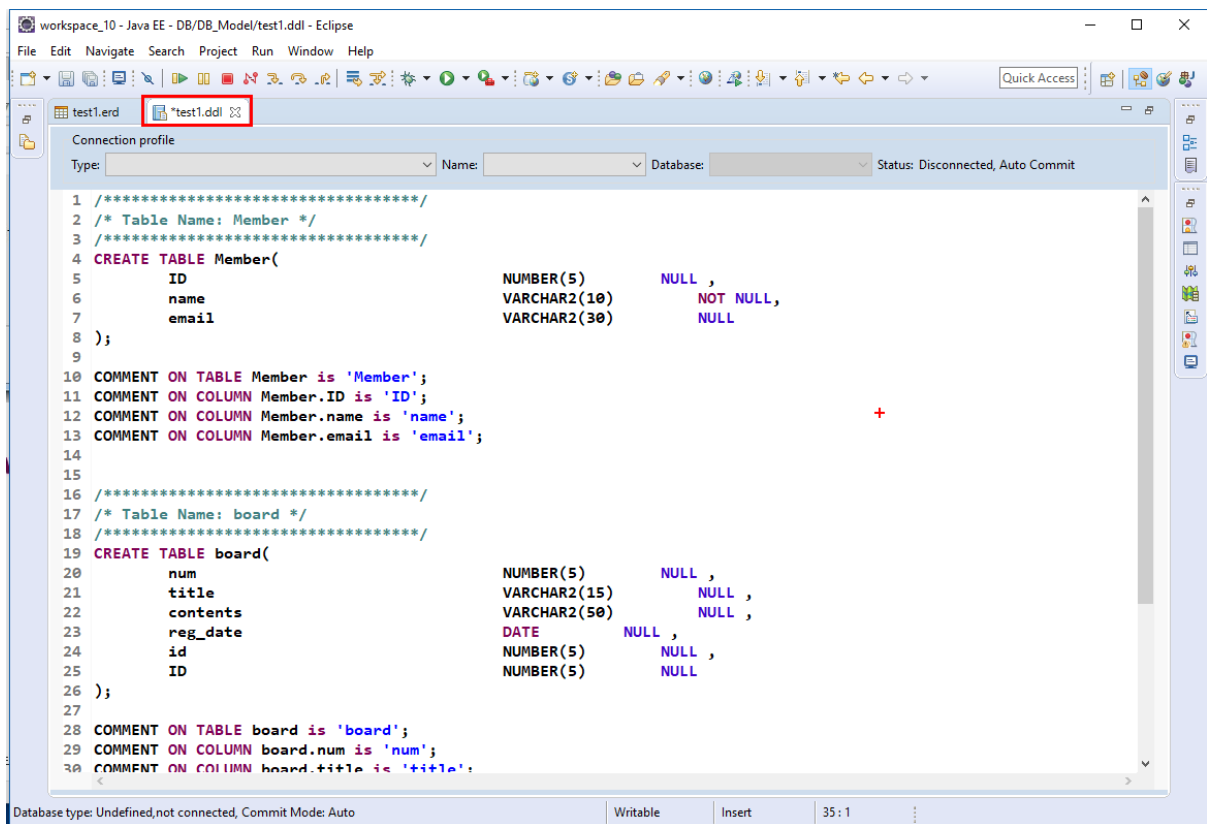
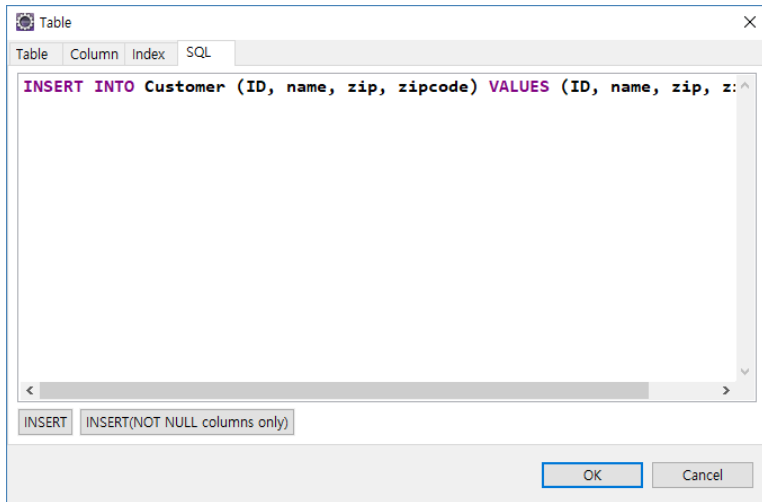
작성한 ER Diagram 기반으로 테이블 생성



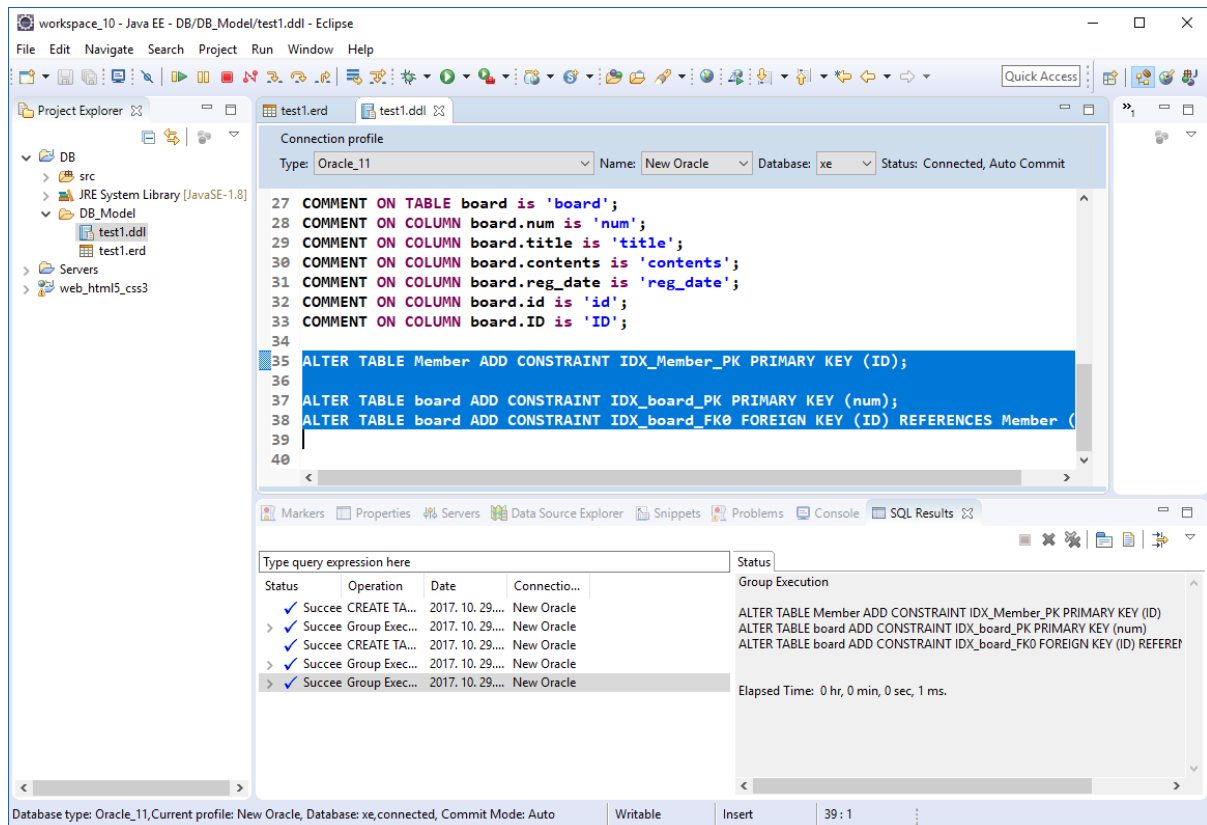
테이블 선택 -> export -> DDL 선택



drop table 선택하면 drop문 추가

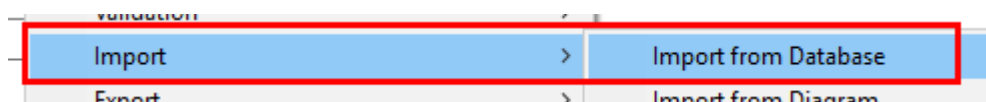


테이블 생성 구문이 생성 된 것을 확인 할 수 있다.



생성된 DDL을 기반으로 데이터베이스에 구축한다.

주의사항 DataSource 프로퍼티 정보를 잘 맞추어 준다.



Import tables from database

Select tables which are imported to this diagram.

JAR File:

JDBC Driver:

Database URL:

User:

Password:

Schema:

Catalog:

View: ☐

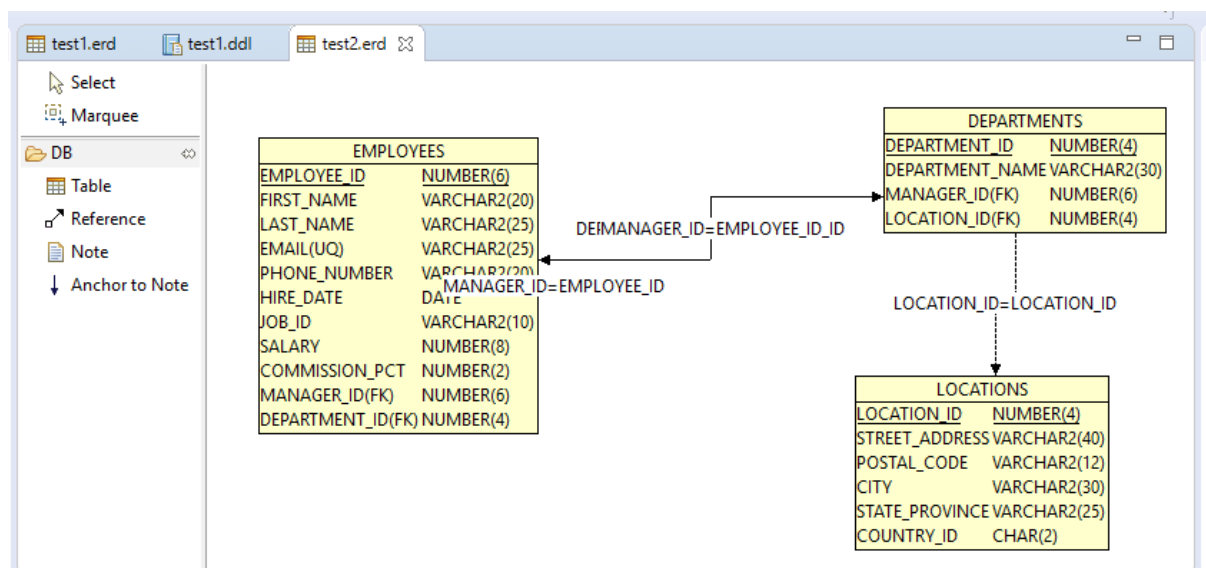
Filter:

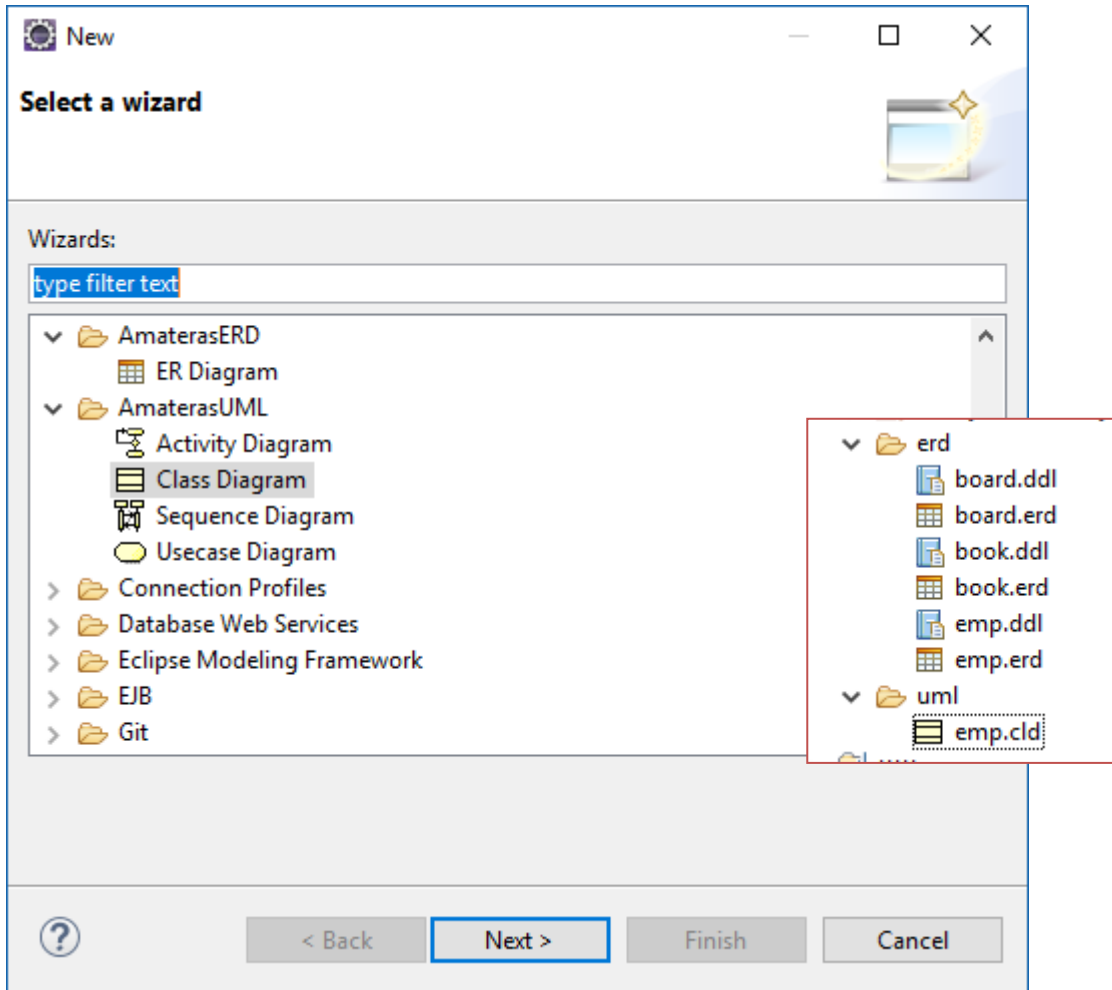
Tables:

BOARD
COUNTRIES
DEPARTMENTS
EMPLOYEES
...

☐ Convert physical name to logical name automatically (for Japanese)

이미 만들어진 테이블을 읽어들이고 와서 er diagram을 구축한다.





AmaterasUML 기존의 클래스를 그림으로, 그림을 만든후 클래스로 모두 가능

