MySQL Database Unit 08 – Creating a Database

Chapter 11 – How to Create a Database

CREATING an EER Diagram:

File 🡪 new model; double click ‘mydb’ to rename the database 🡪Click add diagram to begin creating it

FORWARDING Engineer: (Use this preferably)

Click Database 🡪 Forward Engineer 🡪 Opens wizard that provides steps

* Accept defaults; NEXT
* Drop objects, Generate Drop Schema, Omit schema qualifier, Generate use statements, Add show warning, include model attached (check all boxes at bottom); NEXT
* Click on your tables to create; NEXT
* Shows SQL that will create the database, NEXT 🡪 will execute SQL & create the DB
* Capture the File 🡪 save file
* Cancel
* Go into local instance and open the saved file 🡪 Run 🡪 Refresh Schema
* Explains some statements: 8.2 – 3:00 min

REVERSING Engineer: (try to avoid)

\*Modified SQL by adding a column; diagram doesn’t yet have it 🡪 \*Close diagram & model

Click Database 🡪 Reverse Engineer

* It will link to the Server; NEXT
* Accept all defaults; NEXT
* Select the DB; NEXT NEXT NEXT FINISH
* Open diagram & it will be updated with the modification

LOAD Records Into Tables:

INSERT INTO Department (Name) VALUES(‘Marketing’);

INSERT INTO Department (Name) VALUES(‘Sales’);

INSERT INTO Department (Name) VALUES(‘Shipping’);

SELECT \* FROM Department;

INSERT INTO Employee (FirstName, LastName, HireDate, DepartmentID)

VALUES (‘Marie’, ‘Kelling’, ‘2017-01-01’, 1); 🡪 (1 refers to Marketing)

SELECT \* FROM Employee

\*Drop & Recreate the DB each time you change & run the SQL\*