

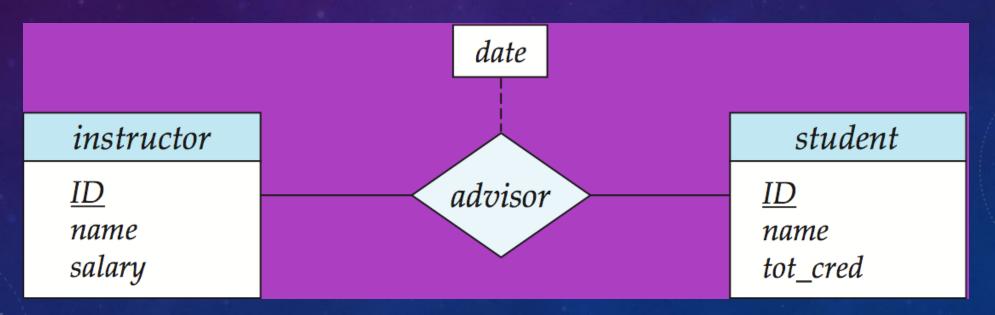
OBJECTIVES

- E-R Model and Diagram
- E-R Tools
- Task

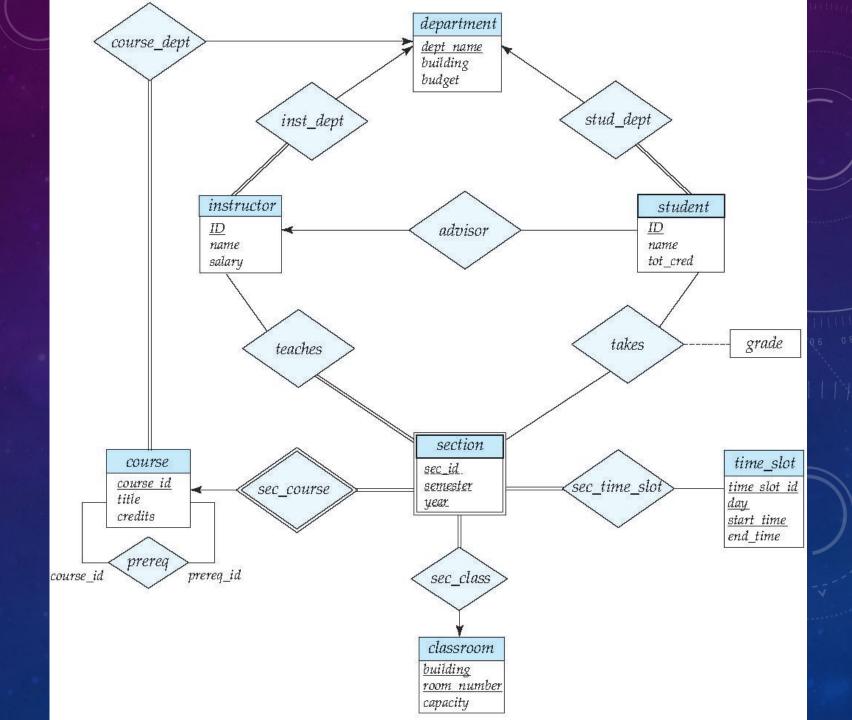


E-R MODEL

 The ER model also has an associated diagrammatic representation, the ER diagram, which can express the overall logical structure of a database graphically.



E-R DIAGRAM FOR A UNIVERSITY ENTERPRISE

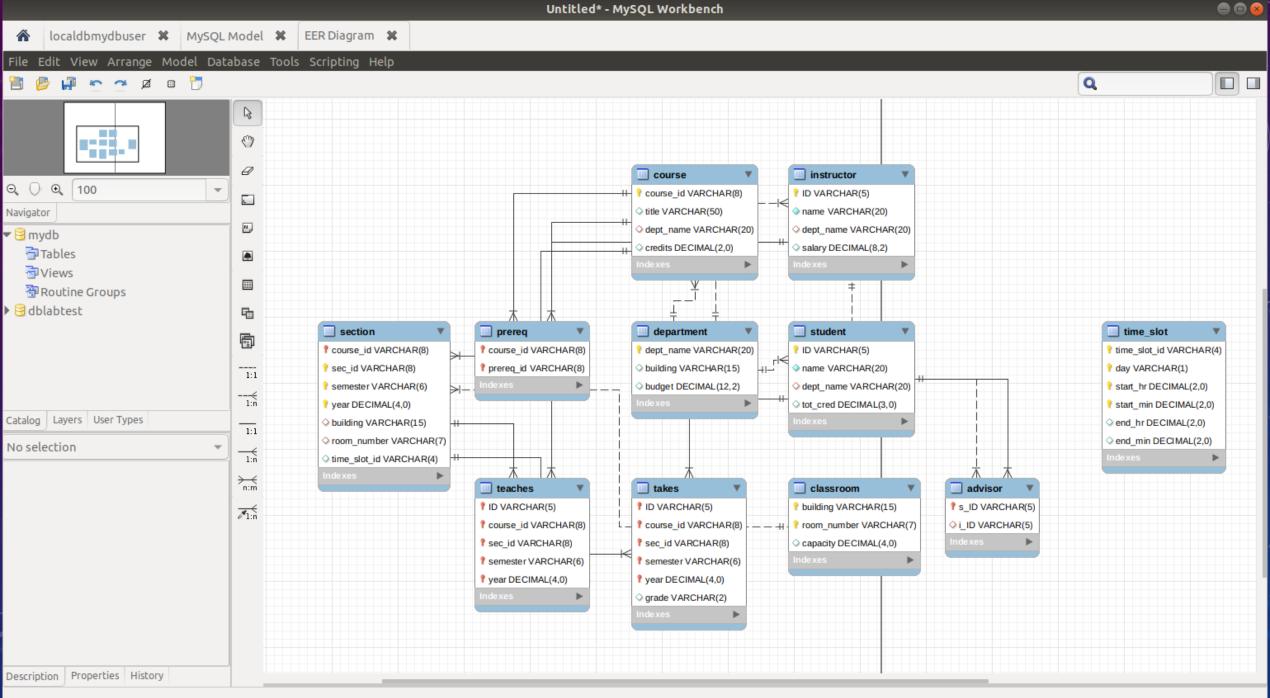


E-R TOOLS

- Eclipse ERD
 - http://eclipse-erd.sourceforge.net/
- (MS) Viso
- PowerDesigner
- MySQL Workbench

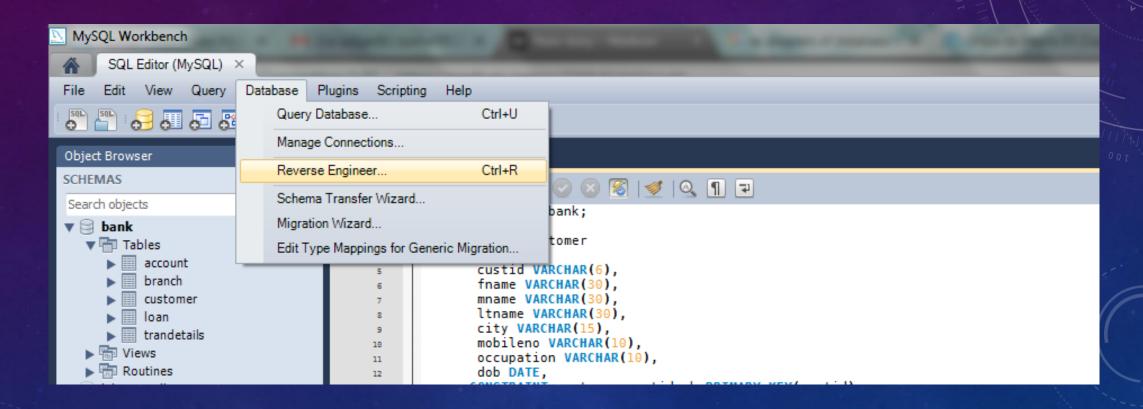
E-R DIAGRAM IN MYSQL WORKBENCH



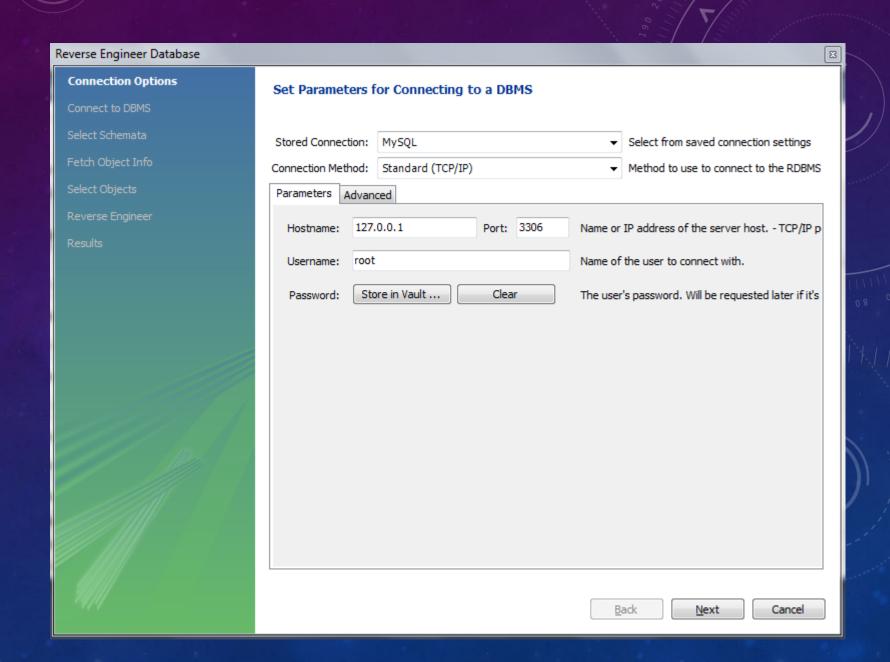


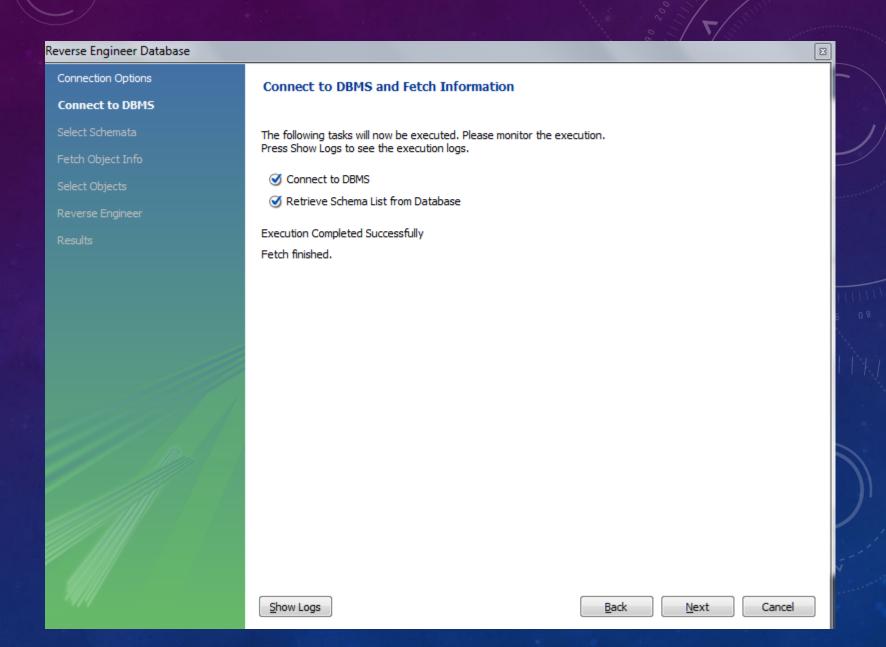
E-R DIAGRAM IN MYSQL WORKBENCH

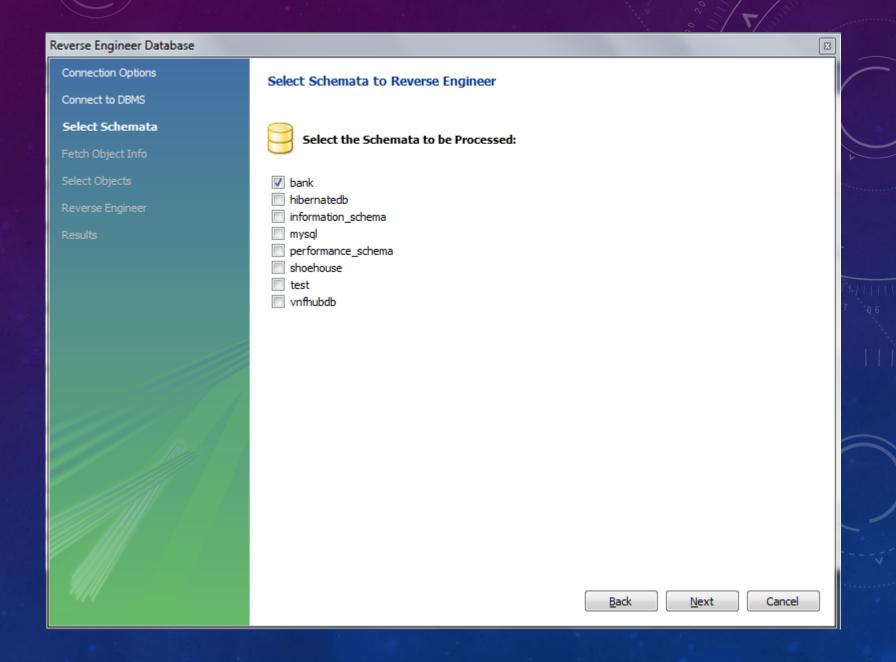
- Reverse Engineer逆向工程
- Forward Engineer前向工程

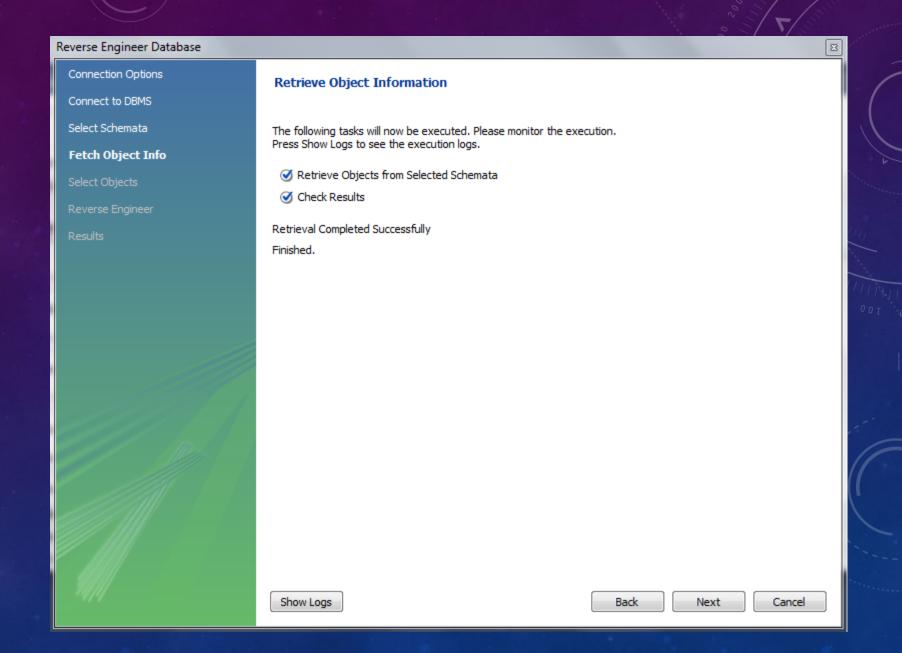


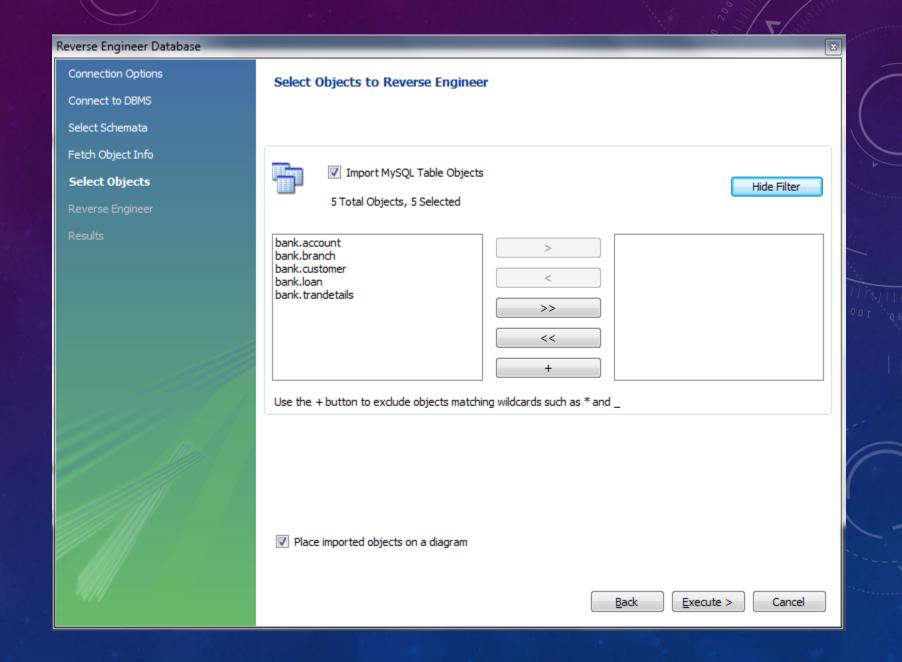


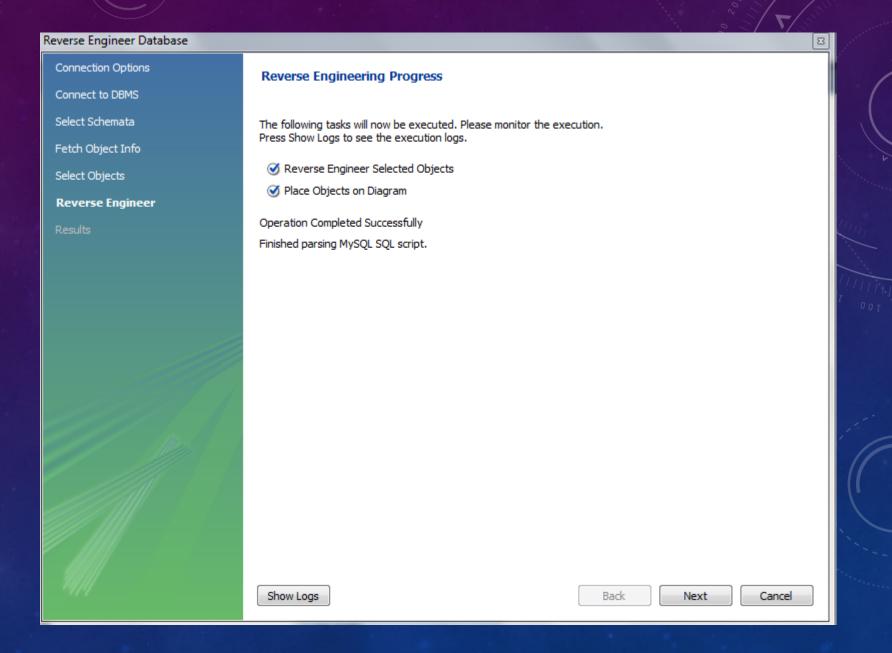


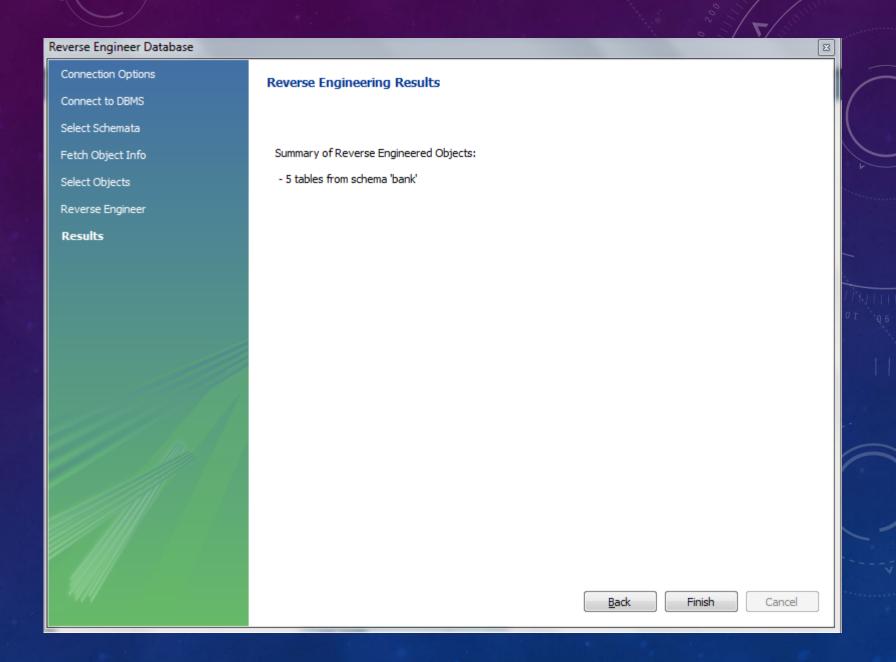


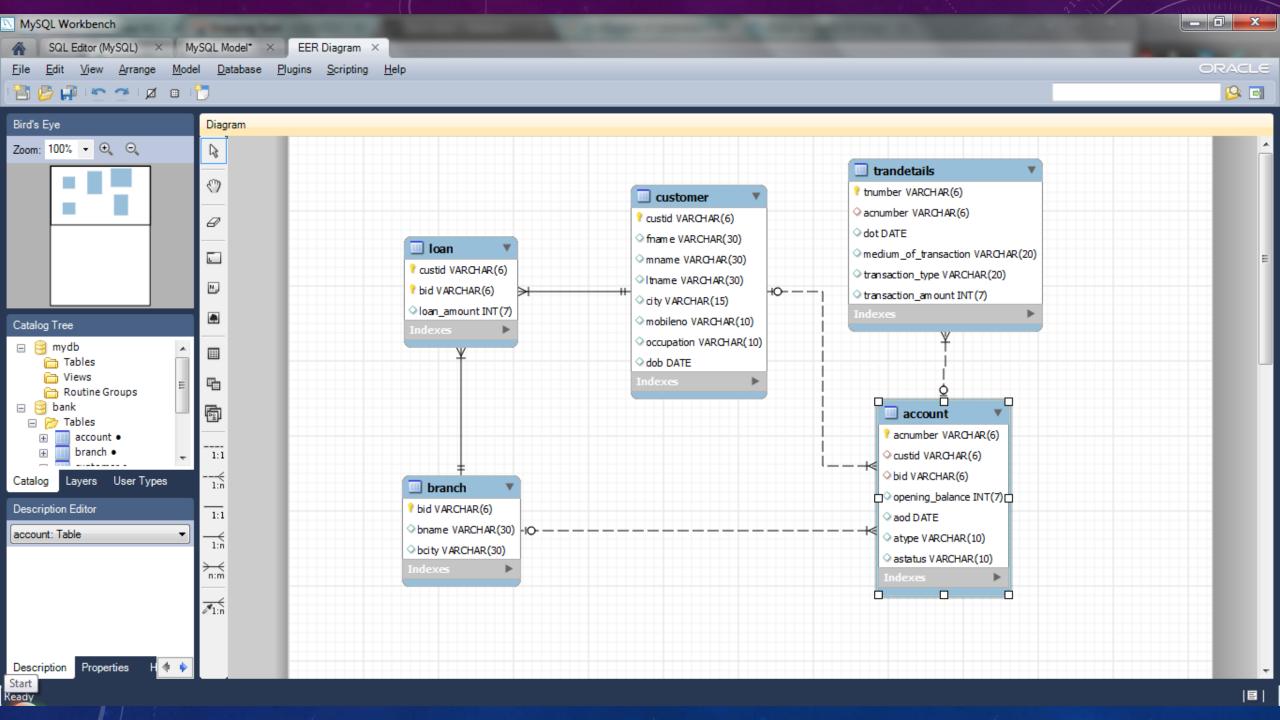


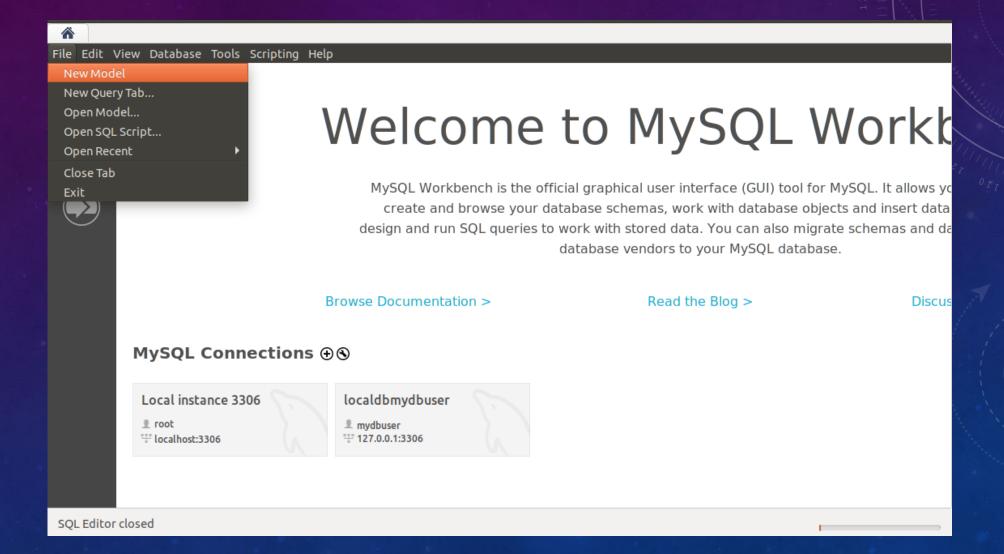




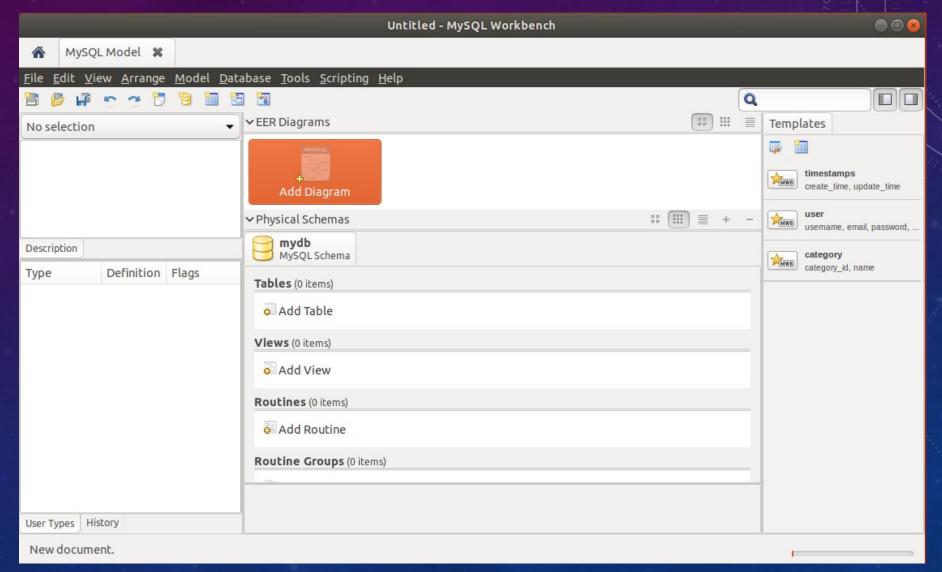




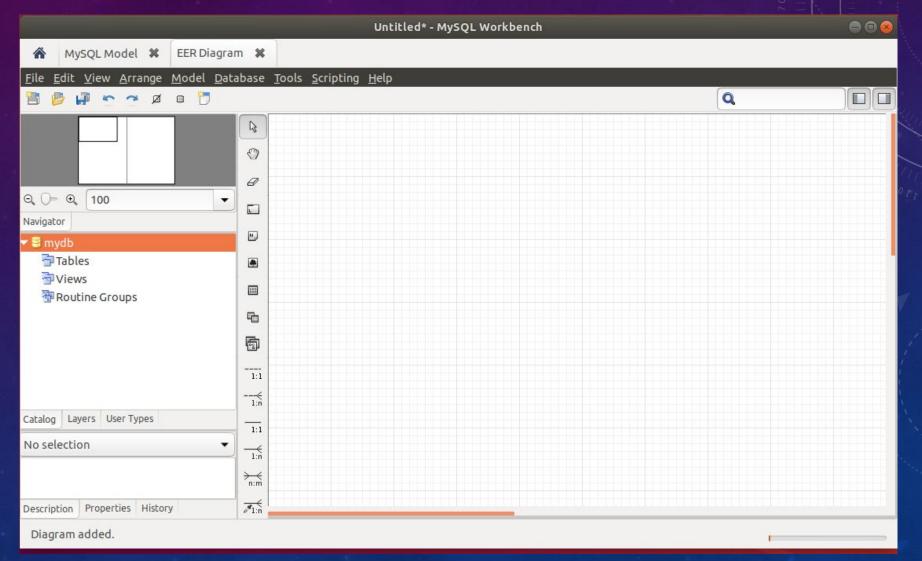




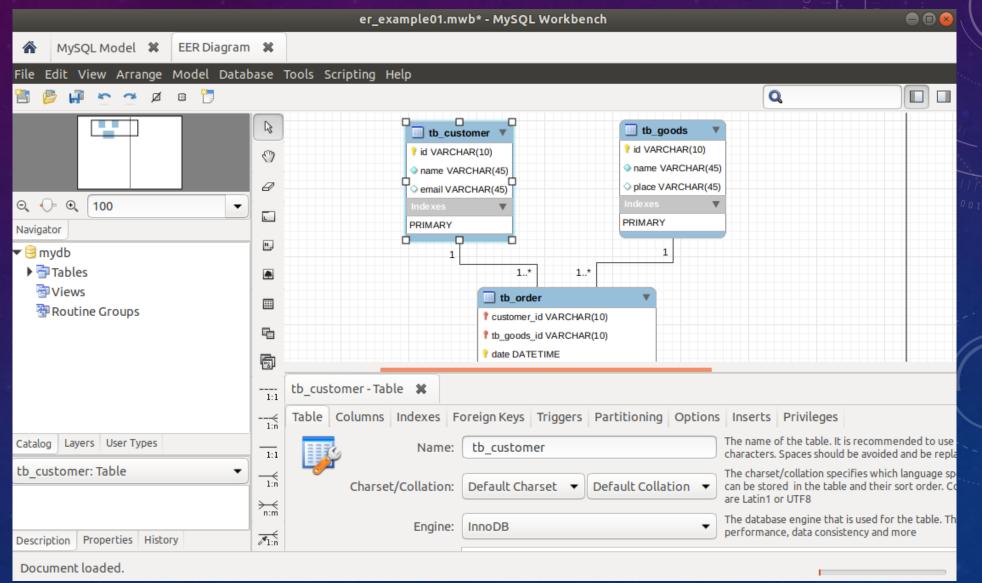
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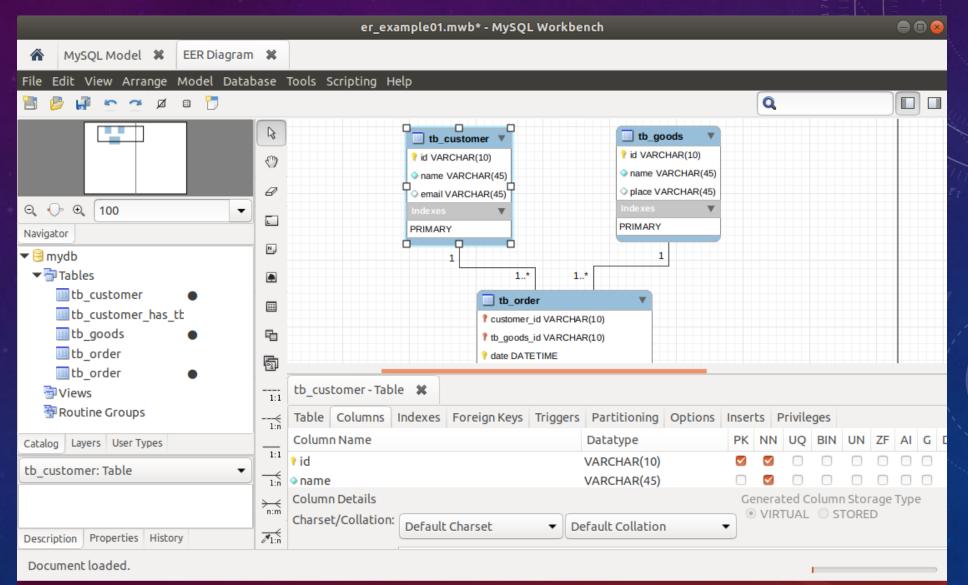




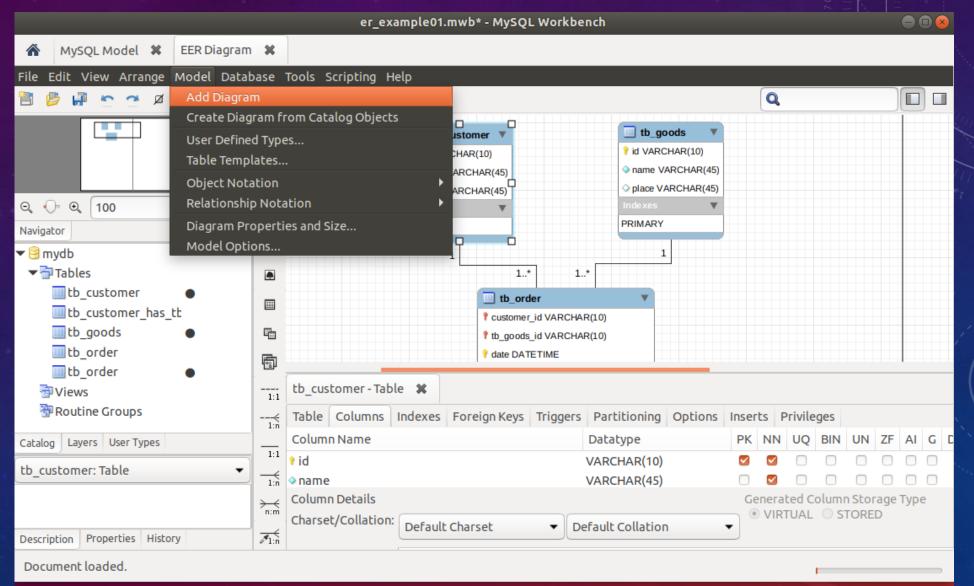




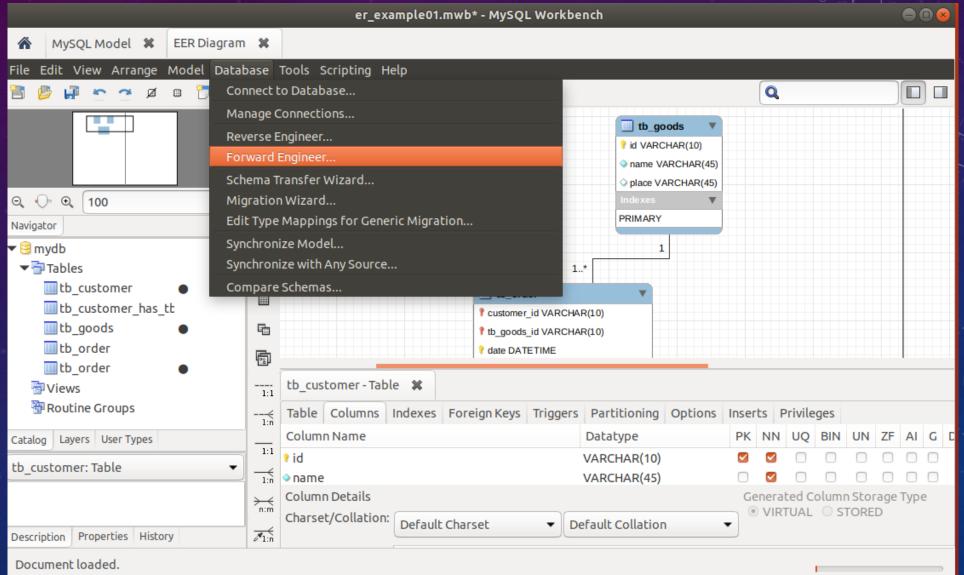




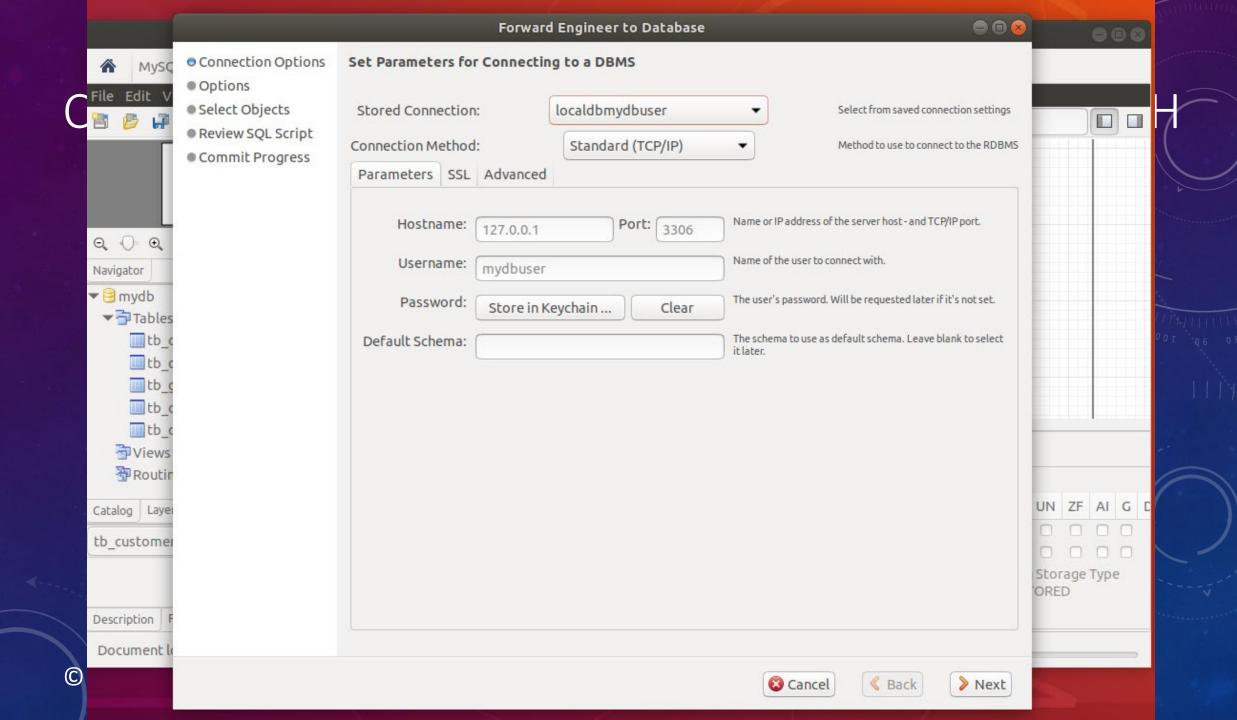


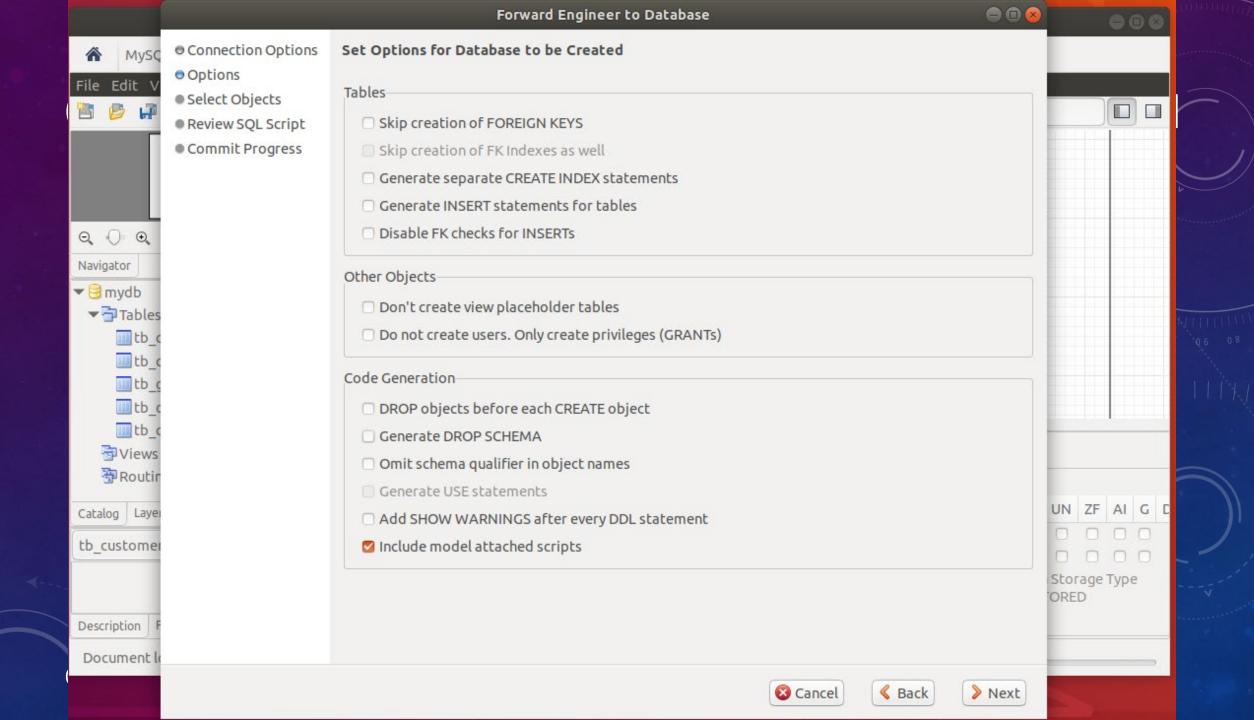


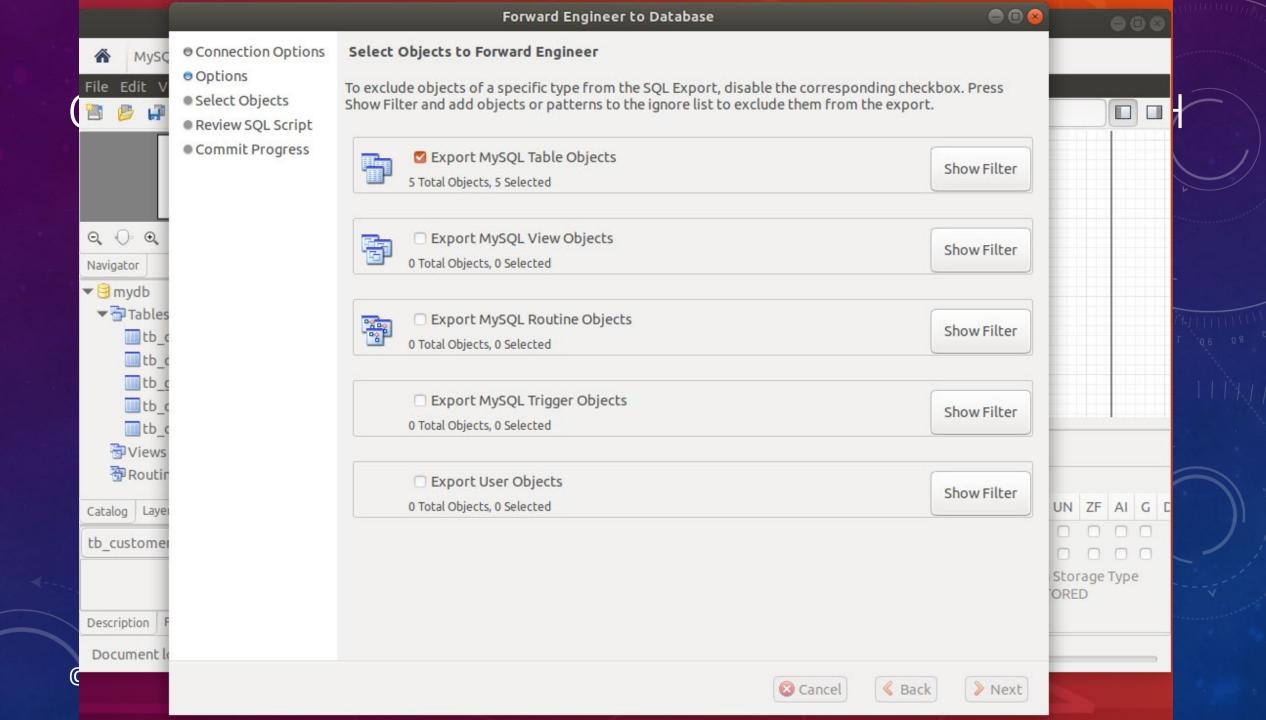


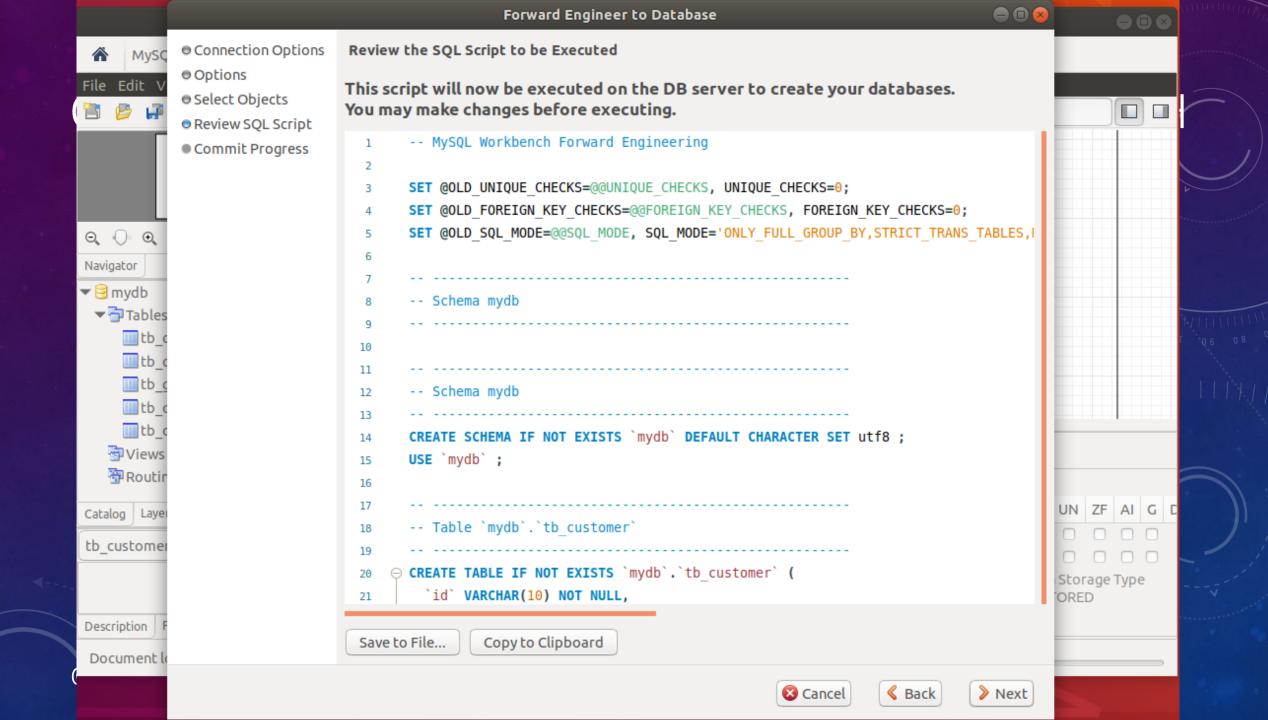


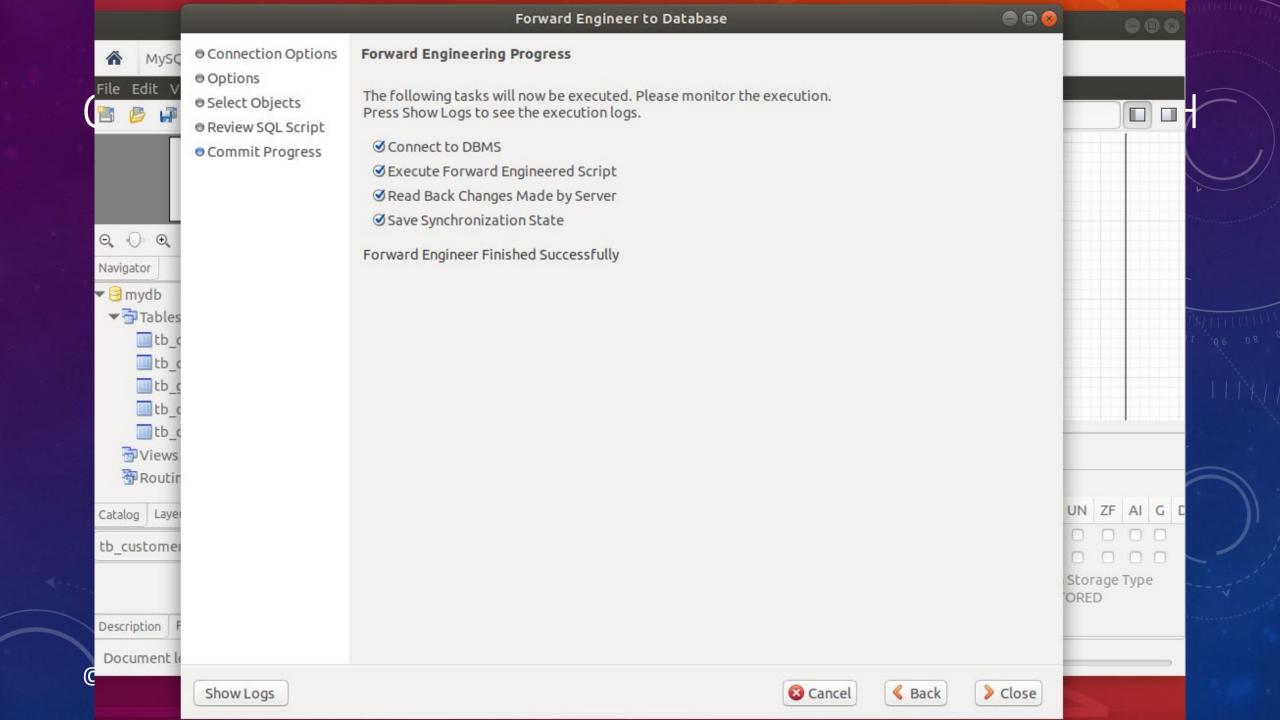


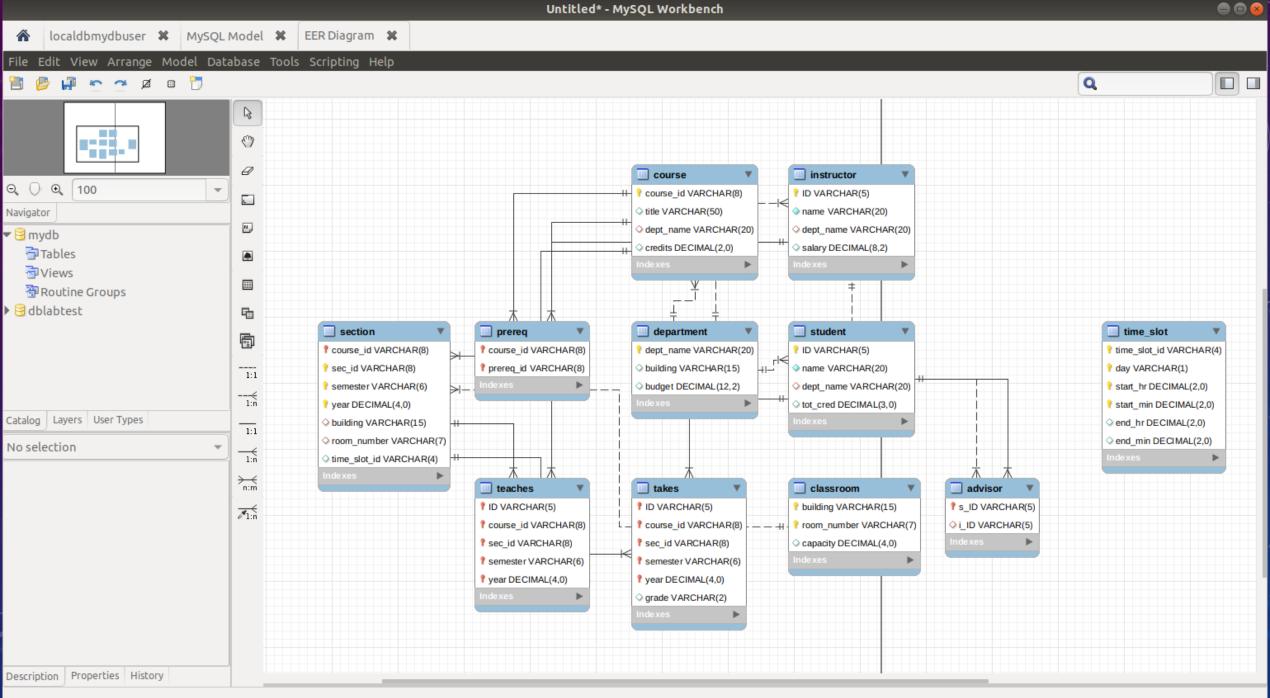












LAB





LAB 1

- · 给某商场会员卡业务画出相关实体关系图并生成 MYSQL数据库脚本
 - 某商场可以为顾客办理会员卡;
 - 每个顾客只能办理一张会员卡;
 - 顾客信息包括顾客姓名、地址、电话、身份证号;
 - 会员卡信息包括号码、等级和积分。
 - 顾客具有多个地址和多个电话号码
 - 地址包括省、市、区、街道;
 - 电话号码包括区号、号码。