

ITCS393 Database Systems Lab

Lab2 Exercise

Dr. Petch Sajjacholapunt

Dr. Wudhichart Sawangphol

Dr. Jidapa Kraisangka

Wudhichart.saw@mahidol.edu



Lab2 Exercise

- You can download the initial SQL commands (InitSQL_Lab2.sql) from Mycourses.
- Execute the SQL file "InitSQL_Lab2.sql". There will be 3 tables created in the database named "myFriends".

Lab2 Exercise

- Instructions:

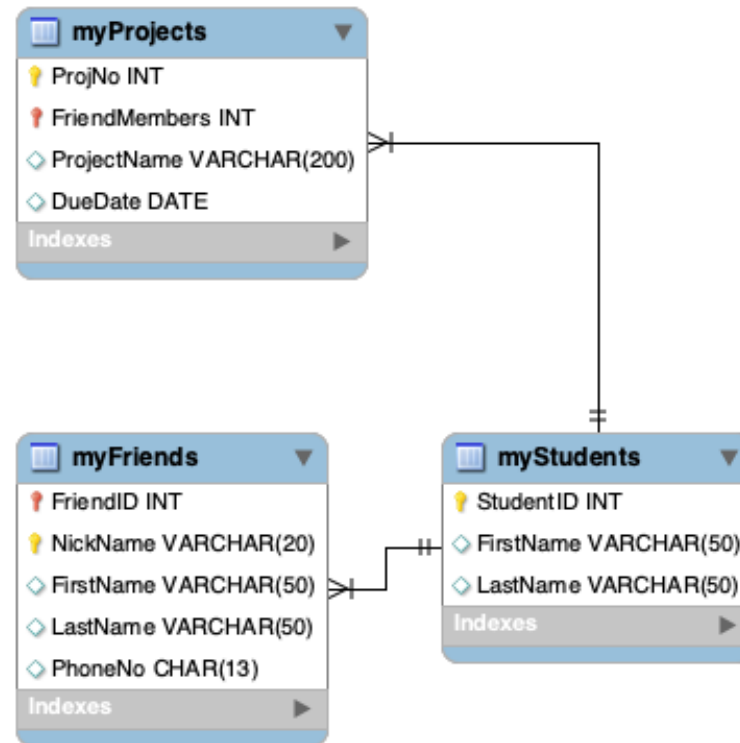
1. Append your SQL commands to modify tables schema which are to identify both PK and FK (refer to next slide).
2. Create database diagram to illustrate your final relationships.
3. Save your final SQL script using format **ITCS393-Lab2-[Group][StudentID].sql**.
4. use "Reverse Engineer..." menu to create a diagram and save it as **ITCS393-Lab2-Diagram-[Group][StudentID].png**
5. Submit the SQL file and diagram as a zip file named **ITCS393-Lab2-[Group][StudentID].zip** on Mycourses.

Lab2 Exercise (cont.)

- Write the SQL commands for following questions:
 1. Assign "FriendID" to be FK for myFriends table, which links to myStudents table.
 2. Assign "FriendMembers" to be FK for myProjects table, which links to myStudent table.
 3. Assign "ProjNo and FriendMembers" to be COMPOSITE PKs for myProjects table.
 4. Assign "studentID" to be PK for myStudents table.
 5. Assign "FriendID and NickName" to be COMPOSITE PKs for myFriends table.

Lab2 Exercise (cont.)

- Finally, you can use “Reverse Engineer...” menu to create a diagram.





THANKS
FOR YOUR
ATTENTION
ANY
QUESTIONS?