Assignment-4 ITI-2180 Foundations of Data and Database Management

1. Be sure to run JLDB\_Drop.sql first, then run JLDB\_Build.sql in the ORCL2 database before starting this assignment. This will rebuild all the tables.

Reminder: All JLDB\_Build.sql dates are 10 years newer than dates that appear in the textbook.

Chapter 5 Hands-on Assignment (problems A – J: see below) – 50 points

Problem A: Add a new row in the ORDERS table with the following data: Order# = 1021, Customer# = 1009, and Order date = July 20, 2019.

Problem B: Modify the zip code on order 1017 to 33222.

Problem C: Save the changes permanently to the database.

Problem D: Add a new row in the ORDERS table with the following data: Order# = 1022, Customer# = 2000, and Order date = August 6, 2019. Describe the error raised and what caused the error.

Problem E: Add a new row in the ORDERS table with the following data: Order# = 1023 and Customer# = 1009. Describe the error raised and what caused the error

Problem F: Delete Order# 1005. You need to address both the master order record and the related detail records.

Problem G: Execute a command that undoes the previous deletion.

Problem H: Set the cost to $20.00 for the book with ISBN # 1059831198.

Problem I: The BOOKS table has a column called CATEGORY. This column (field) holds the category in which a particular book is placed. One of the categories is "FITNESS". The company wants to change the category from "FITNESS" to "HEALTH and FITNESS" for all books in the "FITNESS" category. Provide all commands that complete this business problem and show proof that the "FITNESS" data has been changed to "HEALTH and FITNESS" in the database. NOTE: Read Problem H before you start this because the two problems are related.

Problem J: Execute the SQL statement that undoes Problem G above. Show proof to demonstrate that the change is undone.