Assignment-9 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 10 Hands-on Assignment (problems A – J: see below) – 50 points

Problem A: Chapter 10 Hands-on Assignment #1

Problem B: Chapter 10 Hands-on Assignment #2

HINT: Use the NVL2 function.

Problem C: Chapter 10 Hands-on Assignment #3

Hint: Use the TO\_CHAR function in the two-way table join query. Remember that the price a particular customer pays for a book is not necessarily the full retail price.

Problem D: Chapter 10 Hands-on Assignment #4

Hint: Use the ROUND function.

Problem E: Chapter 10 Hands-on Assignment #5

Hint: Don't forget the special table called DUAL.

Problem F: Chapter 10 Hands-on Assignment #6

Problem G: Chapter 10 Hands-on Assignment #7

Problem H: Display all book titles, author name, and publication date sorted by the newest books first (descending order by date). In addition, format the date as YYYY/MM/DD (e.g. December 25th, 2000 would appear 2000/12/25)

Problem I: Show the customer lastname, firstname, and the order#'s for all customers and the orders they have placed. If a customer has not placed any orders, put "N/A" in the order# field when displaying the result.

Hint: An outer join is required in this case and you need to check for a null order#.

Problem J: Show the lastname, firstname, and address of all customers that have a P.O. Box. When displaying the address, convert the string "P.O. BOX" to "Post Office Box".

Submit: A file called *Assignment-9-Results.docx* with formatted SQL & output to Blackboard.