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:

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

Problem A: Produce a list of all customer names in which the first letter of the first and last names is in uppercase and the rest are in lowercase.

Problem B: Create a list of all customer numbers along with text indicating whether the customer has been referred by another customer. Display the text “NOT REFERRED” if the customer wasn’t referred to JustLee Books by another customer or “REFERRED” if the customer was referred.

Problem C: Determine the amount of total profit generated by the book purchased on order 1002. Display the book title and profit. The profit should be formatted to display a dollar sign and two decimal places. Take into account that the customer might not pay the full retail price, and each item ordered can involve multiple copies.

Problem D: Display a list of all book titles and the percentage of markup for each book. The percentage of markup should be displayed as a whole number (that is, multiplied by 100) with no decimal position, followed by a percent sign (for example, .2793 = 28%). (The percentage of markup should reflect the difference between the retail and cost amounts as a percent of the cost.)

Problem E: Display the current day of the week, hour, minutes, and seconds of the current date setting on the computer you’re using.

Problem F: Create a list of all book titles and costs. Precede each book’s cost with asterisks so that the width of the displayed Cost field is 12.

Problem G: Determine the length of data stored in the ISBN field of the BOOKS table. Make sure each different length value is displayed only once (not once for each book).

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.

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".