95 – 703 B: Database Management

SQL Assignment #3 (hardcopy due on November 22, in class before the lecture starts)

Use the *JustLee Books* database to answer the questions below (both Part I and II).

*Turn in a well formatted printout of your SQL statements as they were executed in the SQL*Plus environment and the results of running each statement. Set the LINESIZE and PAGESIZE values optimally to ensure that there are no wrapping lines or repeated column headers in the results (for further formatting tips refer to the "**Formatting SQL Queries**" document available on the class website). Identify each answer clearly. Each question should be answered by a single SQL statement unless requested otherwise.*

For queries that require retrieving dollar amounts format the amounts as currency (i.e., dollar sign in front of the number rounded to two decimal places). In any case where the output includes ID and a name (or first and last name, and such like), concatenate these values into a single expression (single column in the results). Any NULL value must be replaced with appropriate value/information.

Part I (from your class textbook)

Chapter 12:   Hands-On Assignments 4, 5, and 9 (pages 492 – 493)

Part II

1. For each book category, list the book title of the book(s) with highest cost. Include the cost in the results.

2. Rank each book category based on the profit generated from sales of books in the category. Categories with the same generated profit should get the same rank. List the category, the profit, and the rank.

3. List the top 10 customers (i.e., top 10 highest spenders). Customers with the same amount should get the same rank.

4. List ID and name of any customer who purchased books in *Children* category or *Family Life* category but did not purchase any book in *Fitness* category or *Cooking* category. Represent customer's name with initial letters capitalized.

5. The Marketing Department of *JustLee Books* is preparing for its annual sales promotion. Each customer who places an order during the promotion time receives a free gift with each book purchased. The gift received is based on the book price and is defined in the *Promotion* table. The Marketing Department has estimated the cost/value of the gift and requires it to be incorporated into the *Promotion* table.
    a) Add a column named VALUE to the *Promotion* table and then insert the information as defined below (use a single UPDATE statement).

Gift	Value
BOOKMARKER	1
BOOK LABELS	2
BOOK COVER	3
FREE SHIPPING	15

    b) After the update is completed, list the content of the modified & updated *Promotion* table.