CPRG 250
Lab Module 4 Part 5

Create the SQL script for the following questions using the JustLee Books database.
Create a spool file that includes all of your SQL commands along with the results.
Submit the script AND spool file via D2L.

1. Add the following lines to your script:
  set echo on
  set linesize 132
  set pagesize 66

2. LIST each customer order number and the total amount to be paid per order. Include the customer firstname, customer lastname and order#. Sort by last name and first name. Use the PAIDEACH column to determine the price for each book. Expected output:

```
First       Last          ORDER#  Order Ttl
---------   ---------    ---------- ---------
Kenneth     Falah           1015       19.95
Kenneth     Falah           1004       170.9
Tammy       Giana           1014          44
Tammy       Giana           1007      335.85
Cindy       Girard          1000       19.95
Cindy       Girard          1009       41.95
Kenneth     Jones           1020       19.95
Jasmine     Lee             1013       55.95
Jake        Lucas           1011       85.45
Jake        Lucas           1001       117.4
Reese       Mcgovern        1002       111.9
Greg        Montiasa        1019          22
Greg        Montiasa        1005       39.95
Bonita      Morales         1003      106.85
Bonita      Morales         1018        75.9
Becca       Nelson          1012       166.4
Thomas      Pierson         1008        39.9
Steve       Schell          1017        17.9
Jennifer    Smith           1010       55.95
Leila       Smith           1006        54.5
Leila       Smith           1016       85.45

21 rows selected.

SQL>
```

3. What is the average number of books published per author? (Hint: Start by exploring the number of books published for each author). There are 1.67 books/author.

4. Create a report showing the average retail price of books in each category but only include the category if it has at least 2 books in it. Sort by category name. Include the category name, # of books in the category and average price in the report. Show the price with a $ and 2 digits of precision through the use of a single row function. Expected output:

```
Category      Num of Books Average
------------  ------------ -------
Children                 2 $34.45
Computer                 4 $52.85
Cooking                  2 $24.35
Family Life              2 $55.98

4 rows selected.
```

5. List the authors that have sold at least 10 books based on orderitems. Show the total number of books they have sold. Sort by author name. Use the heading 'Number of books Sold" on the report. Expected output:

```
First       Last         # of Books
----------  -----------  ----------
James       Austin               10
Jack        Baker                14
Robert      Robinson             10

3 rows selected.
```

6. Produce the following report using Oracle enhanced aggregation features. The value for each order item is based on the quantity ordered and the price paid for each item. Expected output:

```
FIRST       LAST          ORDER#       Value
----------  ----------  ----------  ----------
Kenneth     Falah             1004       170.9
Kenneth     Falah             1015       19.95
Kenneth     Falah                        190.85
Tammy       Giana             1007      335.85
Tammy       Giana             1014          44
Tammy       Giana                        379.85
Cindy       Girard            1000       19.95
Cindy       Girard            1009       41.95
Cindy       Girard                         61.9
Kenneth     Jones             1020       19.95
Kenneth     Jones                         19.95
Jasmine     Lee               1013       55.95
Jasmine     Lee                           55.95
Jake        Lucas             1001       117.4
Jake        Lucas             1011       85.45
Jake        Lucas                        202.85
Reese       Mcgovern          1002       111.9
Reese       Mcgovern                      111.9
Greg        Montiasa          1005       39.95
Greg        Montiasa          1019          22
Greg        Montiasa                      61.95
Bonita      Morales           1003      106.85
Bonita      Morales           1018        75.9
Bonita      Morales                      182.75
Becca       Nelson            1012       166.4
Becca       Nelson                        166.4
Thomas      Pierson           1008        39.9
Thomas      Pierson                        39.9
Steve       Schell            1017        17.9
Steve       Schell                         17.9
Jennifer    Smith             1010       55.95
Jennifer    Smith                         55.95
Leila       Smith             1006        54.5
Leila       Smith             1016       85.45
Leila       Smith                        139.95
                                        1688.05

36 rows selected.
```