# Assignment 1

**Due**: September 16, 2017 (Submit through Canvas by 11:59am)

Please submit SQL statements in a file named <your_uteid_HW1.sql> and results in a Word document. Whenever there are more than 10 records in the result, please copy and paste the first 10 records.

The following questions are based on the FactCoffee table that we imported to SQLDeveloper in the class. Answer the following queries and you must use SQL to extract data and not eyeball some data to answer the questions

1. Write a query to select all columns from the FactCoffee table

2. Write a query to select the following three columns from the FactCoffee table:
- Column which specifies the year, month, date of the sale
- Column which specifies the budgeted sales
- Column which specifies the actual Sales

3. Write a query to find out what were the total sales, across all products and all area codes, for any particular month in the year 2012 and 2013.

4. Write a query to find out what were the total sales, across all products and all area codes, for the month of May (5) in the year 2012.

5. Find the products with profit margins as percentage of sales (profits/sales) of at least 15%. Display the results in descending order of total actual sales.  Round the percentage to two digits using ROUND(....,2) function.

Answer is:

| | PRODUCT | MARGIN | SUM(SALES) |
|---|---|---|---|
| 1 | Colombian | 0.43 | 128311 |
| 2 | Lemon | 0.31 | 95926 |
| 3 | Caffe Mocha | 0.21 | 84904 |
| 4 | Decaf Espresso | 0.38 | 78162 |
| 5 | Chamomile | 0.36 | 75578 |
| 6 | Darjeeling | 0.4 | 73151 |
| 7 | Earl Grey | 0.36 | 66772 |
| 8 | Decaf Irish Cream | 0.22 | 62248 |
| 9 | Caffe Latte | 0.32 | 35899 |
| 10 | Mint | 0.17 | 35710 |
| 11 | Amaretto | 0.19 | 26269 |
| 12 | Regular Espresso | 0.42 | 24031 |