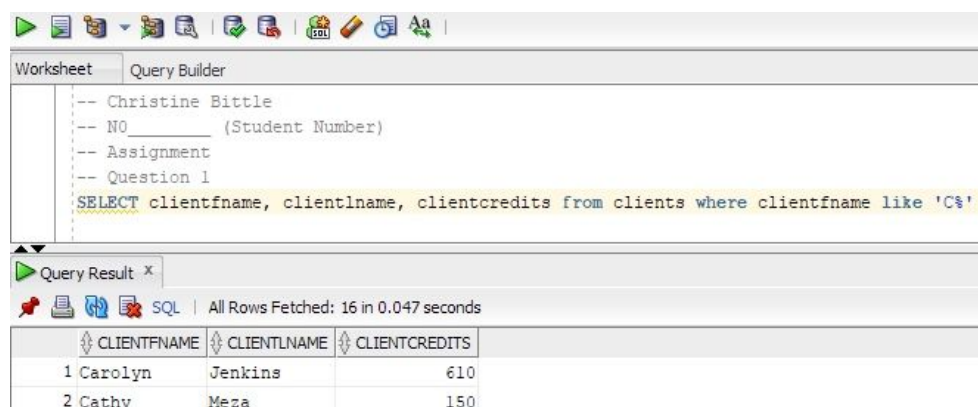Assignment 1 - Due Tues, Sept 18th, 2018 at 11:59pm

Submit solution in a pdf document file format to christine.instructor@gmail.com

Instructions: You are to use SQL developer as well as the clients table that we installed during our tutorials. If you do not have this table, you can generate a copy of and install the table given the instructions at the end of this document. **NOTE: Data is generated randomly.** You and your classmates may both have valid assignment answers that produce different result sets.

For each question, take a screenshot of your query as well as a comment that includes your name and student number. An example screenshot may look like this, except with your name.

Context: You are a junior level database administrator that has been tasked to find records from a clients table. Your coworkers tell you what information they are looking for, as well as information that will filter down the results.

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1. We're looking for the phone number, full address, and last name of a client named rebecca. She's either from ILLINOIS, IDAHO, or IOWA, I can't remember.

2. I'd like to call some clients about their point total. Show me the last name, firstname, and phone number of clients with credits between 500 and 2000 who joined before October 2017. Order the list from highest points to lowest points first.

3. Find me all the clients from the dupont family, order the results by province first then by first name. We need the full name, the address, and the join date (formatted with MM/DD/YYYY)

4. We believe there has been a glitch in the system with our credits. Find all the clients with credits that are null or over 10000. List all client information like this.

5. Find the top 3 clients with the most credits. I want to see their last name, phone number, and credits.

6. Find the 10 clients who have the oldest accounts with us.

7. We are considering a new formula for our credits. Our new credits formula will add 400 and then divide by 2. Write a select statement with columns new_credits, old_credits. Show all records where the old credits is over 1000. Use the dual table to show an example of this formula applied when the clientcredits is 2300.

8. Find all clients who have joined within 14 days of the current date. (using sysdate). Organize the name so it's "lastname, firstname". Order by most recent first.

9. Print out a list of sentences where each sentence is about a client. The sentence structure will be like "Client x joined on y and has a point total of z". Where x is the first name and last name initial (using substr function), y is the printed version of the date (using to_char function) and point total

10. Include a copy of notes taken during your lectures and labs. If you are just taking a picture of your notes, make sure that they are clear and legible.

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Marking Scheme

80% - Questions 1-9
Queries are executed without any errors
Only specified columns are included in the query
Appropriate conversion of dates to desired string using TO_CHAR function
Expressions are correctly implemented as described

20% - Question 10
Notes are clear. At least 1 page of notes. No more than 3.
Examples of exact queries with proper syntax are written down
Includes a demonstration or test to try new things.
Whatever notes that help you understand the content.

Importing clients table
Go to http://sandbox.bittsdevelopment.com/humber/datagenerator
Write your schema as your student number (as it appears in SQL developer)
Run this command in your SQL worksheet

Alter session set current_schema = (student number)
If it worked it should say "session altered."

If you have a clients table but no data, you will have to delete the clients table and re-import it.
Drop table clients;
Be careful using that, it will delete your clients table.

Open the downloaded script in SQL developer.

Run the script with f5.

If it works you will see "1 row inserted" over and over again.