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| Week 13 Assignment  10 percent Assignment | This is a 10% assignment  Maziar Shajari  Relational database |

* **Do not submit .zip files. Submit only text files (MS Word is preferred).**
* **You must use everything you have already learned, to complete your assignment. (you must have comments for your queries and proper format).**
* **Do not forget to have a separate title page.**
* **Do not forget to include the questions’ number and question before the queries.**
* **You need to send the text of your queries and a screenshot which clearly shows the execution of your command and the results.**

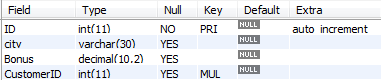
Step 1:

1. Create a new Database ‘MajorAssignment2’.
2. Download the ‘fakenames’ file from the ‘Databases’ folder in ‘Databases’ and create the ‘customers’ table in your new databse.

Step 2:

1. Change the column name (number) to (CUSID).
2. Create a ‘Bonus’ table. You can find the column names and properties in the picture below. (CustomerID is the foreign key related to CUSID in the customer's table)

Bonus Table



Step 3:

1. Update two columns (bonus and city). Get cities from the ‘customers’ table and set bonus = 100 for all cities.
2. Add 100 CAD to all customers living in Toronto, Red Deer, and Hamilton.
3. Add an additional 23 percent to the bonuses of all customers who are living in the cities which have the ‘s’ or ‘t’ letters in their city names.

Step 4:

1. How many customers are living in ‘Barrie’? (Use ‘number of customers in Barrie' for the result’s title).
2. Add a 33% more bonus to these customers.
3. We want to see the names and bonuses and the customers who live in ‘Barrie’. (You can use join or subquery)

Step 5:

We need to increase the bonus amounts of the customers who get the minimum bonus amount. Find the minimum amount by a query and add 50.5 to all of these customers.

(Tip: write it in one query, you need to search the internet to learn how to do it. Maybe the below link might help you.)

<https://stackoverflow.com/questions/45494/mysql-error-1093-cant-specify-target-table-for-update-in-from-clause>).

Step 6:

A)- No bonuses for the cities starting with ‘F’. Is it possible to change them to null instead of zero?.

B) Calculate the average bonus of the cities not starting with E.

Step 7:

Query all given names and street addresses of the customers who do not get any bonus. (Write the query with a join. Do not use sub-query).

Step 8&9:

A) Add a ‘StreetNumber’ column in the customer table after the surname;

B) Copy the Street number from the Street address and add it to the street number.

C) delete the street number before the street address.

Step 10:

A) Show 2nd top bonuses.

B) Show the total amount and average bonus in each city.