COMP1201	Design Project	J. Pichie

Hand in – Script file through BlackBoard

To hand in – create table commands, insert commands, and queries

Create Your Own Database

For this assignment, you'll write the MySQL statements to create a database, create 3 tables, populate tables with data, and code a few queries.

The topic of this database is Canadian provinces and cities. One province has many cities.

You'll have 3 tables in total: two will be in a 1 (province) : M (city) relationship and one 1:1, you decide what the topic of this table will be, and which table it will connect to.

The specifications:

Database name – should be your name – ie -jpichie

Columns (fields):

- at least 4 fields each in the primary and related table
- at least 3 fields in the table that is in a 1:1 relationship
- **REMEMBER YOUR PRIMARY KEYS AND FOREIGN KEYS**

Rows (records):

- at least 5 records in primary table (province)
- at least 10 in related table (city)
- and at least 3 in the 1:1 table

Data Types: include each type at least once throughout your database

CHAR	VARCHAR
INT	DECIMAL
DATE	BOOLEAN

Standards: Follow programming standards

- **See below for the ones we are focusing on**

Assign 3 Evaluation

Task	Mark
Drop, create and use database statements, database name is your name	4
Standards applied: • Place your name and a description of the script at the top of the file • Use camel case for names -- hourlyPay, personID. • Start each clause on a new line, break long clauses into multiple lines and indent continued lines. • Where possible, use part of table name in column name – provinceCode, or provName	2 2 1 2 3
Data types, used at least once: CHAR VARCHAR INT DECIMAL DATE BOOLEAN	6
Table relationships coded correctly with PK and FK constraints 1:M 1:1	8
Columns (fields): minimum: 4 fields each in the primary table, 4 fields in the related table, 3 fields in the table that is in a 1:1 relationship.	9
Rows (records): minimum: 5 records in primary table, 10 in related table 3 in the 1:1 table	5

Queries – code a SELECT statements for 1-5 below, **use aliases** for all joins. Put the question number as a **comment (two dashes and a space)** before each of the statements below.

**** **important** **** before handing in your script file, comment out questions 1-6. To do this, type **/*** on line above question 1.

1. Code a select statement to display ALL data from any one of your tables, sorted by something other than primary key column	3
2. Code a select statement to display 3 columns from one of your tables with values above or below a numeric test of your choice. E.g. all rows with a price less than $10.	4
3. Code a select statement to display at least 3 columns from one table with values between two dates. Sort from most recent to oldest date.	5
4. Display several columns from one table that includes a calculated field. Include a heading (alias) for the new calculated column. Sort results from highest to lowest on your calculated column.	6
5. Display 2 columns from the primary table and 3 from its related table. Sort by one of the columns in the primary table, then within that sort, sort one of the fields in the related table.	7
6. Code an update statement to change any column's field value to a different value. For example, change 'Kingston' to 'Kings Town'. Simply make up the data.	3
7. Create a stored procedure that will accept an input parameter. Your stored procedure will be a SELECT statement that will use the INPUT parameter as the value for the WHERE clause.	5
Total Marks	**/75**