

Assignment 5: Query Implementation using Jupyter Notebook

(Issue: 15 July 2019, Due: 29 June, 11:59 PM)

- **TA:** Trishla Shah trishla@dal.ca
 - **Tutorial:** Monday (10:35-11:25 am) and Thursday (2:05-2:55 pm)
 - **Room:** CS 143
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1. Objectives:

- 1) To review Jupyter Notebook

2. Tasks:

- 1) Setup any local system (for example, install MySQL in your local system) and install Jupyter Notebook.
- 2) Create 2 tables as shown below and load data into the tables from the given data .csv files. (Note: Choose appropriate data types and size for the columns)

Database Description:

Database/Schema Name: *StudentInfo*

Table Name	.csv file	Description
Student Information	Student_info.csv	It contains student's information such as name, id etc.
Courses	Courses.csv	It should contain the total number of courses taken by a student in the current term

- 3) On successful database creation, connect to the jupyter notebook using python.
- 4) Once a connection is established run a minimum of 6 queries which would reflect create, update, alter, select and delete operations on jupyter notebook.

3. Submit your Assignment 5 electronically:

- 1) Please use Brightspace to submit your assignment
- 2) In report, give brief explanation of each query along with the business scenario.
- 3) Include the screenshots of outputs of all the queries executed in the report.
- 4) Mention structure of each table in the report. (for example, column name, data type, size/length, etc.)
- 5) In addition to the report, please also submit queries. (query1.sql, query2.sql..., query9.sql). Do not include any comments or other things in .sql files.
- 6) Give a brief feedback of all the tools used in the assignment.
- 7) Submit all items within one Zip file (Your_NAME_Ass5.zip).

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