

University Of Engineering and Technology, Lahore
Computer Engineering Department

Course Name: Database Systems	Course Code: CS363L
Assignment Type: Lab	Dated: 14-02-2022
Semester: 6th	Session: 2019
Lab/Project/Assignment #: Lab 5	CLOs to be covered: CLO1 and CLO4
Lab Title: Investigating Query Performance, Understanding GitHub dataset and learning Collaboratory	Teacher Name: Ms. Darakhshan

Lab Evaluation:

CLO1	Construct DML queries to retrieve and store data in different relations					
Levels (Marks)	Level1	Level2	Level3	Level4	Level5	Level6
Cognitive (5)						
Total						/5
CLO4	Develop projects using learned techniques to solve real world problem with small/large data and learn how to query, visualize, report and make prediction on it.					
Levels (Marks)	Level1	Level2	Level3	Level4	Level5	Level6
Cognitive (5)						
Total						/5

Rubrics for Current Lab:

Scale	Marks	Level	Rubric
Excellent	5	L1	Completed all questions (including bonus/Q6) and understands how tasks were solved + Have written optimized Queries and have used visualization techniques to understand dataset. Understands Github dataset, Python, BigQuery and their integration. No plagiarism.
Very Good	4	L2	Completed all questions (except bonus) and understands how tasks were solved. Students have used visualization techniques to understand dataset and know how to do this in Python. Worked upon optimized queries. Understands BigQuery and Python Integration Student understands Github dataset. No plagiarism.
Good	3	L3	Completed Question 1, 2 and 3 and understands how tasks were solved. Student understand how to visualize datasets using Python and how to integrate BigQuery with Python. Student understands Github dataset and has worked on writing optimized queries . No plagiarism.
Basic	2	L4	Completed Question I and 2 question only + Integration of BigQuery with Python is complete + Understands Query Efficiency . Student understands Github dataset. No plagiarism.
Barely Acceptable	1	L5	Solved Question I only and understands the dataset . No plagiarism.
Not Acceptable	0	L6	Project missed or solved none of the problems

LAB DETAILS:

Lab Goals/Objectives:

- Project # 2 Out and its Demo
- Project # 1 Submission and Evaluation

Theory/Relevant Material:

- Read project documents carefully

Lab Tasks:

- Complete 1st section of Project 2
- Solve part (a), (b) and (c) of Section II of Project 2.

Submission Instructions:

Name your notebook of section 1 of project 2 as DBLab5_2019_CE_X.ipynb, add supporting SQL scripts of your homework and submit on Google classroom by Sunday, 20th February, 2022 9 P.M