

## CS355 Database Lab

Date: 27<sup>th</sup> Aug 2020

Deadline: 28<sup>th</sup> Aug 2020 (9:00 am)

### Assignment 2

Submission File Name: assign2.txt

In today's lab, perform the followings using MySQL database system.

You can login as **scot/tiger** and use your **dblab** database that you have created for previous assignment. If you have the following tables available then you have to make some changes.

- Suppliers( SID varchar (10), SName varchar (10), City varchar (10)
- Products (PID varchar(10), PName varchar(10), WarrantyPeriod int)
- SP (SID varchar(10), PID varchar(10))

- #1) Remove duplicate entries in the Suppliers table if there is any. Then create a primary key constraint using SID attribute to Suppliers table. Insert 10 more records in this table.
- #2) Remove duplicate entries in the Suppliers table if there is any. Then create a primary key constraint using PID attribute to Product table. Insert 10 more records in this table.
- #3) Remove all the entries of SP table. Then add an attribute Qty of smallint type.
- #4) Create a primary key in table SP. The primary key consists of attributes SID and PID.
- #5) Create two foreign keys in the SP table. One foreign key is defined on attribute SID which refers to the SID attribute of Suppliers table. Another foreign key is defined on attribute PID which refers to the PID attribute of Products table. Insert 15 new entries in this table.
- #6) Find the list of suppliers who are from Patna and Mumbai cities.
- #7) Find the name the products which have warranty period from 2-4 years.
- #8) From SP table, check the total number of PID='P2' product has been supplied.
- #9) Find the name of the suppliers who have atleast two 'a's in their names
- #10) Find the name of the products which end with 'e' or 'E'
- #11) Add one more attribute DoM or Date of Manufacture in Products table. Then check the values corresponding to this attribute.
- #12) For each product, update the DoM with some relevant dates.

Now write all the MySQL queries that you have used to perform the aforementioned functionalities in **assign2.txt** file. You should mention your name and roll no at the top of this file.

Upload the file **assign2.txt** using the following link –

[https://www.iitp.ac.in/~samrat/CS354\\_CS355/submission](https://www.iitp.ac.in/~samrat/CS354_CS355/submission)