



**PES UNIVERSITY**  
**(Established under Karnataka Act No.16 of 2013)**  
**100-ft Ring Road, BSK III Stage,**  
**Bangalore – 560 085 Department of**  
**Computer Science & Engineering Minor**  
**DBMS Lab Session: Jan –May 2021**  
**Lab – 7**

**Answer the following SQL queries**

1. Each offering of a course (i.e. a section) can have many Teaching assistants; each teaching assistant is a student. Extend the existing schema (Add/Alter tables) to accommodate this requirement.
2. According to the existing schema, one student can have only one advisor. Alter the schema to allow a student to have multiple advisors and make sure that you are able to insert multiple advisors for a student.

**Write SQL queries on the modified schema. You will need to insert data to ensure the query results are not empty.**

1. Find all students who have more than 3 advisors
2. Find all students who are co-advised by Prof. Srinivas and Prof. Ashok.
3. Find students advised by instructors from different departments. Etc.
4. Delete all information in the database which is more than 10 years old. Add data as necessary to verify your query.
5. Delete the course CS 101. Any course which has CS 101 as a prereq should remove CS 101 from its prereq set. Create a cascade constraint to enforce the above rule, and verify that it is working.