13/02/2018
CSE 4308
GROUP B

First run the sql queries written in the document. Make sure that you understand everything.

Tasks:

1. Suppose you are creating a database for IUT which has three tables called dept, STD, EMP.
   Dept tables have columns as dept_id, dept_name, dept_estd;
   STD table have s_id, s_name, s_cg, s_home, mobile, s_dept;
   EMP table has e_id, e_name, salary, e_home, e_dept;

   Dept_id is the primary key of dept table.
   S_id, mobile together works as the composite primary key of STD.
   E_id is the primary key of EMP.

   S_dept is foreign key referencing dept_id.
   E_dept is foreign key referencing dept_id as well!

   Now you have to create the tables according to the above requirements. Add some valid data and invalid data. Check whether your design is discarding the incorrect data properly or not.

2. 'IUT MEDICAL CENTRE' is creating a database for digitalizing the traditional medical system where everything will be stored in the database rather than files. They want to store the medical information of patients will be stored in 'PATIENT_TABLE' which will contain patientID, his/her name, gender, age, homeAddress. The information of all the doctors should similarly be stored in a table called 'DOCTOR_TABLE'.

   There are some old doctors in the medical who forgets the disease of the patients! So the medical center also decided to store the patientID and the corresponding diseaseID in a particular table called 'DISEASE DESCRIPTION'. [Here the 'disease description' does not have a primary key.]. As the system wants to ensure that no wrong diseaseID can be entered in the system, it decided to maintain a separate table called 'DISEASE' which contains the diseaseID, diseaseName, medicineName. As each diseaseID is unique, it is able to reference the 'DISEASE DESCRIPTION' table.

   Not help IUT MEDICAL CENTRE with the corresponding DDL statements for designing the whole system!