EXERCISE 3: SQL CONSTRAINTS

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Slot: L43+L44
Class Number: CH2021221000708
Date: 18/08/2021 **Due Date for Submission: 21/08/2021**

ANSWER ALL QUESTIONS

1. Create the following tables with suitable constraints:
    a. DEPARTMENT (DEPT_ID, DEPT_NAME). Make DEPT_ID as the primary key and DEPT_NAME should not be null.
    b. PROJECT (PROJECT_ID, PROJECT_NAME, DID). Make PROJECT_ID as the primary key and PROJECT_NAME should not be null. DID will be the foreign keys for DEPARTMENT
    c. EMPLOYEE(EMP_ID, NAME, GENDER, DID, PID, DOJ, AGE,LOCATION). Make EMP_ID as the primary key. DID and PID will be the foreign keys for DEPARTMENT and PROJECT tables respectively. Only records with age above 21 years can be included in EMPLOYEE table. If the location is not specified put the location as 'CHENNAI'.
2. Insert 5 departments into DEPARTMENT table.
3. Insert 5 projects into PROJECT table.
4. Insert 5 Employees into EMPLOYEE table. Ensure that all the constraint criteria are met.
5. Demonstrate with some queries the various constraint violations pertaining to the tables created above.

NOTE: While creating any new table suffix your registration number along with it.
Eg: EMPLOYEE_20BRS1234