Week 6

Working with Triggers

1. Consider the following tables namely "DEPARTMENTS" and "EMPLOYEES"
Their schemas are as follows:
DEPARTMENTS (dept _no , dept_ name , dept_location);
EMPLOYEES (emp_id , emp_name , email, dept, designation, DOJ, phone_num, emp_salary);

Create a trigger for:-
a) Calculating the number of rows inserted so far.
b) Displays message prior to insert operation on Employee Table
c) Ensuring that the Employee Table does not contain duplicates or null value in the Name column
d) To insert Employee details into Employee Table only of DOJ > 2018
e) To Prevent any Employee Named Tom to be inserted into the table

2. Consider the following relational schema that manages the telephone bills of a mobile phone company.
CUSTOMER (SSN, Name, PhoneNum, Plan)
BILL (SSN, Month, Year, amount)
a. That Adds +91 to all phone numbers as a prefix in the Customer Table.
b. Write a trigger that after each phone call updates the customer's bill.
c. Write a trigger to not insert bill older than 2020 (year > 2020).