M.K.Institute OF Computer Studies, Bharuch
SYBCA SEM III 2018-19
RDBMS Assignment I
Submission Date : July 2019

1. **Write the SQL statements for the following:**
   a. Create table
      Stud_rollno (Roll no, Name, city, contact_no,Course_name, Date_of_birth) Define roll no as primary key
   b. Insert 5 values in the above table
   c. Add the new column addmisiondate using default constraint (admission_date should be default system date.)
   d. Add the new column Regdate
   e. Update regdate as 01/08/2019 for students of 'BCA' course
   f. Delete those row which has rollno = 5,8,3,15
   g. Course Name should be either BCA or MSc CA
   h. Rollno should be less than 120
   i. Retrive the student details between the taken admissions between the months of May to July.

2. **Create following tables**
   EMP_rollno (empno, ename, job, hiredate, sal, deptno)
   DEPT_rollno (deptno, dname, location)

   Add Primary key, Foreign Key Constraint, Check Constraint on Appropriate Fields

   Also Write SQL to Solve following :
   a. Find all department that have atleast two managers
   b. Find all employees who earn more than minimum salary of employees in department 10
   c. List the details of employees whose name starts with 'S' and hiredate is before 31st March 2017
   d. Display the employees whose salary is maximum in each department

3. **Create the following tables:**
   Doctor_rollno (D_id, D_name, D_city) (d_id must be start with D)
   Patient_rollno (P_id, P_name, P_city) (p_id must be start with P)
   Bill_rollno (B_id, P_id, D_id, bill_date,Bill_Amount)(B_id must be start with B)
   a. Insert at least 5 records in the table.
   Solve the following queries
   a. Display the patient name that lives in the same city as their doctor city.
   b. Display patient information for the bill paid in 'JUN-19'.
   c. Display doctor wise total no of patients.
   d. Display patient name whose bill amount is between 15000 to 30000.
   e. Display patient name, doctor name and bill amount in the order of patient name.

4. **Create following tables**
   Prodmast_rollno (Prodno, Prodname, Price, Supp_id)
   Supplier_rollno (Supp_Id, Supname,Supcity)
   Sales_rollno (Sale_Id,Prodno,Salesdate,Amount)
   Do as directed
   Add foreign key Supp_id to Prodmast_rollno table
   Add constraint for checking the Amount greater than 0

	Add primary key constraint for Supp_id to supplier_rollno table **Solve the following queries** a. Display all the products supply by supplier who are living in 'Baroda' b. Display all the product supply by supplier 'ABC Corporation Ltd' c. Display the name of the supplier who supply maximum products d. Display the list of maximum selling product e. Display the product whose price is minimum.