**LAB RECORD- 5**

**Aim : Testing Aggregate functions**

1. Crete the following relations
   1. Persons(PID Int Primary Key, Pname Varchar(20) in Proper case Letters , DOB Date Not Null, City Varchar(15) Not Null, Category char(3))
   2. Deposits (DID Int PK, PID Int FK, Date1 Date Not Null, CDate Date Cdate>Date1, AcBal Number(10,2) AcBal>0, DepType Varchar(15) accept only ‘Savings’, ‘Recurring’, ‘Fixed’, or ‘Current’ , Status Char(1) accept only ‘A’, ‘S’,’C’)

**Note : All the constraints should be added while creating the tables (name all the constraints)**

* + 1. Insert 15 or more records into the above tables
    2. Do the following queries

1. Count the total number of records in Persons table for city =’Mangaluru’
2. Count the number of records in Deposits for savings account and Current Account
3. Display Status and Total Loan and average loan issued Status wise for dates between 1st Apr 2016 to 31st March 2017
4. Display Max and Min of Deposit amount (AcBal)
5. Display Total Deposit and Average Deposit amount DepType-wise in the ascending order of DepType
6. Display Total Deposit amount DepType-wise for sum of amount > 75000 in the descending order TotalAmount
7. Display Deposit Type, Total Deposit amount DepType and Status wise for only AcBal>25,000
8. Display Date1,Deposit Type, Total Deposit amount Datewise and Deposit Type wise for only Status =’A’ or ‘S’ and sum of amount <80,000 in the Ascending order of Total

**Part – II**

**Aim : i) Learning simple joins (Inner Join)**

**ii) Testing Simple joins with aggregate function**

1. Display PID, Pname, City, DID, AcBal, DepType in the descending order of Pname
2. Display PID, Pname, City, DID, AcBal, DepType in the descending order of city name and descending order of Pname
3. Display PID, Pname, City, DID, AcBal, DepType , Status for City Name=’Mangaluru’ or ‘Coorg’
4. Display PID, Pname, City, DID, AcBal, DepType , Status for City Name=’Mangaluru’ or ‘Coorg’ and Date1 in between 1st Jan 2016 to 31st Dec 2016
5. Display DepType, Total Deposit and Average Deposit amount DepType-wise in the ascending order of DepType for city=’Mangaluru’
6. Display City,Total Deposit and Average Deposit amount Citywise, DepType-wise in the ascending order of city, DepType
7. Display City, Total Deposit City-wise for AcBal>10,000 in the ascending order of City
8. Display City, DepType, Total Deposit Citywise, DepType-wise for TotalDepo amount >50,000