**Lab Record : 3**

**Aim: Adding and Altering Business Rule, Naming Constraints, Dropping Constraints and Testing Simple Queries**

1. Crete the following relations
   1. Bank\_Customer(CID Integer, Cname NN, DOB NN, City NN City Name in Capital Letters)
   2. Loans(LoanID Integer , CID Integer , LDate Date, LAmount Number(10,2), LCloseDate Date, Status Char(1))
2. Add the following constraints
   1. Add constraint to Loans to make LCloseDate > Ldate
   2. Make CName to accept in Capital Letters
   3. Add Constraint to Loans make Status to accept only the values ‘A’, ‘C’, ‘N’
3. Insert few records to both the table (3 Records to Bank\_Customer and 9 Records to Loans)
4. Add the following Constraints with **the constraint Names**
   1. Add primary Key to BankCustomer (CID) and Loans (LoanID)
   2. Add Foreign Key to Loans(CID)
   3. Drop the Foreign Key and Recreate the same with ON DELETE CASCADE/SET NULL option
   4. Drop the Business Rule constraints (LCloseDate and CName)
5. Do the following queries
   1. Display all the Customer ID, Name, City for those customers whose city=’Mangaluru’
   2. Display all the Customer ID, Name, City for those customers whose city=’Mangaluru’ in the Descending Order of City and Ascending order of Customer name
   3. Display all the Customer ID, Name, City for those customers whose city is either ’Mangaluru’, ‘Mysore’ or ‘Bengaluru’ in the ascending order of City
   4. Display all the Name, City for those customers whose name begins with ‘A’ or ‘C’ and DOB > 1st Jan 1990
   5. Display all the Customer ID, Name, City for those customers whose Name ends with letter ‘L’ and city is NOT ’Mangaluru’, ‘Mysore’ or ‘Bengaluru’ or ‘Coorg’ in the ascending order of City
   6. Display all the Customer ID, LoanID, LDate, Lamount for those customers whose Loan Amount is >50,000 and less than 1,00,000 and Loan Date is before 31st March 2016 in the Descending order of LAmount