# DMS- Pretest 3

1. Create a database named **dbPretest3** with the following specifications :
   a. Primary file group with the data file **dbpretest3.mdf**. The size, maximum size, and file growth should be 5, unlimited and 20 respectively.
   b. Log file **dbpretest3_log.ldf.** The size, maximum size, and file growth should be 2, 50, and 10% respectively.

2. Create the table tbEmpDetails, tbLeaveDetails as follows: - table **tbEmpDetails**

| Field Name | Data Type | constraint | Description |
|---|---|---|---|
| Emp_Id | varchar(5) | Primary Key | Stores employee identification number |
| FullName | varchar(30) | Not null | Stores full name of the employee |
| PhoneNumber | varchar(20) | Not null | Stores phone number of the employee |
| Designation | varchar(30) | Manager or Staff | Stores designation or job role of the employee |
| Salary | money | >=0 and <=3000 | Stores salary of the employee |
| Join_date | datetime | | Stores date of joining for the employee |

- table **tbLeaveDetails**

| Field Name | Data Type | constraint | Description |
|---|---|---|---|
| Leave_ID | identity | Primary Key | |
| Emp_Id | varchar(5) | foreign Key | |
| LeaveTaken | int | >0 and <15 | Stores the number of leaves taken by the employee |
| FromDate | datetime | | Date from when leave was availed |
| ToDate | Datetime | >fromdate | Date upto which leave was taken |
| Reason | Varchar(50) | Not null | Reason for the leave |

3. Insert at least five records to each table

4. Create a clustered index **IX_Fullname** for *fullname* column  on **tbEmployeeDetails** table.
   Create an index **IX_EmpID** for *Emp_ID* column on **tbLeaveDetails** table

5. Create a view **vwManager**  to retrieve the number of leaves taken by employees having designation as Manager
   **Note:** this view will need to check for domain integrity and encryption.

6. Create a **store procedure** **uspChangeSalary** to increase salary of an employee by a given value (Hint: using input parameters)

7. Create a **trigger** **tgInsertLeave** for table **tbLeaveDetails** which will perform rollback transaction if total of leaves taken by employees in a year greater than 15 and display appropriate error message.

8. Create a **trigger** **tgUpdateEmploee** for table  **tbEmployeeDetails** which removes the employee if new salary is reset to zero.