

### Pretest 3 - DM

1. Create a database named **Pretest3DB** with the following specifications :
  - a. Primary file group with the data file **pretest3.mdf**. The size, maximum size, and file growth should be 5, unlimited and 20 respectively.
  - b. Log file **pretest3\_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 tgUpdateEmployee** for table **tbEmployeeDetails** which removes the employee if new salary is reset to zero.