

## **Part 03(Functions)**

### **Use ITI DB:**

1. Create a scalar function that takes a date and returns the Month name of that date.
2. Create a multi-statements table-valued function that takes 2 integers and returns the values between them.
3. Create a table-valued function that takes Student No and returns Department Name with Student full name.
4. Create a scalar function that takes Student ID and returns a message to user.
  - a. If first name and Last name are null, then display 'First name & last name are null.'
  - b. If First name is null, then display 'first name is null'
  - c. If Last name is null, then display 'last name is null.'
  - d. Else display 'First name & last name are not null'
5. Create a function that takes an integer which represents the format of the Manager hiring date and displays department name, Manager Name and hiring date with this format.
6. Create a multi-statement table-valued function that takes a string.
  - a. If string='first name' returns student first name
  - b. If string='last name' returns student last name

c. If string='full name' returns Full Name from student table

Note: Use “ISNULL” function

7. Create function that takes project number and display all employees in this project (Use MyCompany DB)