

# SQLServer Lab

Note: Use ITI DB

1. Create a scalar function that takes date and returns 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 inline 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 inline function that takes integer which represents manager ID and displays department name, Manager Name and hiring date
6. Create multi-statements table-valued function that takes a string
  - If string='first name' returns student first name
  - If string='last name' returns student last name
  - If string='full name' returns Full Name from student tableNote: Use "ISNULL" function
7. Write a query that returns the Student No and Student first name without the last char
8. Wirte query to delete all grades for the students Located in SD Department

Bonus:

1. Give an example for hierarchyid Data type
2. Create a batch that inserts 3000 rows in the student table(ITI database).  
The values of the st\_id column should be unique and between 3000 and 6000. All values of the columns st\_fname, st\_lname, should be set to 'Jane', 'Smith' respectively.