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 a tabled 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
5. If first name and Last name are null then display 'First name & last name are null'
6. If First name is null then display 'first name is null'
7. If Last name is null then display 'last name is null'
8. Else display 'First name & last name are not null'
9. Create a function that takes integer which represents the format of the Manager hiring date and displays department name, Manager Name and hiring date with this format.
10. 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 table

Note: Use “ISNULL” function

1. Write a query that returns the Student No and Student first name without the last char
2. Write a query that takes the columns list and table name into variables and then return the result of this query “Use exec command”

Part 2: Use Company DB

1. Create function that takes project number and display all employees in this project

Bonus:

1. Create a batch that inserts 3000 rows in the employee table. The values of the emp\_no column should be unique and between 1 and 3000. All values of the columns emp\_lname, emp\_fname, and dept\_no should be set to 'Jane', ' Smith', and ' d1', respectively.”USE CompnayDB”
2. Give an example for Hierarch id Data type