SQLServer Lab

Note: Use ITI DB

1. Create a scalar function that takes a date and returns the Month name of that date. test (‘1/12/2009’)
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 the user (use Case statement)
5. If the first name and Last name are null then display 'First name & last name are null'
6. If the First name is null then display 'first name is null'
7. If the 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 an integer that 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 the “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”

9- Find Second highest total grade student for each department

Part 2: Use Company DB

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

Bonus:

1. write a Query that computes the increment in salary that arises if

the salary of employees increased by any value.