

Part 00

- 1- LinkedIn article about the difference between delete and truncate
- 2- hacker rank sql intermediate level certificate (delivered in Certificates folder + as image from LinkedIn in task folder)

Link :

https://www.hackerrank.com/skills-verification/sql_intermediate

Part 01

Functions

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
 - 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 integer which represents the format of the Manager hiring date and displays department name, Manager Name and hiring date with this format.
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 table

Note: Use "ISNULL" function

Note: Use MyCompany DB

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

Part 02

General

1. What's the difference between batch,script,transaction,BackUp
2. What meant by logging transaction and why this happens
3. What's the difference between soft delete and hard delete

Part 03

Bonus

1. Self study report
2. What is trigger and why use it
3. What is permissions and how w grant and revoke it