# Part 00

1- LinkedIn article about (output parameter)
2- hacker rank sql basic and intermediate level certificate (delivered in Certificates folder + as image from LinkedIn in task folder)

Link :

Intermediate >>

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

Basic >>

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

# Part 01
# Stored Procedures

1. Create a stored procedure to show the number of students per department.[use ITI DB]

2. Create a stored procedure that will check for the Number of employees in the project p1 if they are more than 3 print message to the user "'The number of employees in the project p1 is 3 or more'" if they are less display a message to the user "'The following employees work for the project p1'" in addition to the first name and last name of each one. [MyCompany DB]

3. Create a stored procedure that will be used in case there is an old employee has left the project and a new one become instead of him. The procedure should take 3 parameters (old Emp. number, new Emp. number and the project number) and it will be used to update works_on table. [MyCompany DB]

# Part 02
# General

1. What's the difference between full, differential and transactional back up
2. What is permission and What's the difference between grant and deny and used on what level
3. What's sql profiler and when using it
4. What is trigger and why use it and on what level and what makes it different from normal Stord procedure

# Part 03
# Bonus

1. Self study report
2. linkedIn article about the difference between delete and truncate
3. Transform all functions in this assignment to be stored procedures
4. Make advanced hackerrank certificate on this link
https://www.hackerrank.com/skills-verification/sql_advanced