

## T-SQL – Assignment

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Barem: a - 15%, b - 15%, c - 15%, d - 15%, e - 15%, f – 25%

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### Question:

Write SQL statements for following activities & print out respectively the screenshots to show test data (the table data that you create to test each query) & query results:

- a) Add at least 8 records into each created tables.
- b) Write a stored procedure (without parameter) to update employee level to 2 of the employees that has employee level = 1 and has been working at least three year ago (from starting date). Print out the number updated records.
- c) Write a stored procedure (with EmpNo parameter) to print out employee's name, employee's email address and department's name of employee that has been out.
- d) Write a user function named Emp\_Tracking (with EmpNo parameter) that return the salary of the employee has been working.
- e) Write the trigger(s) to prevent the case that the end user to input invalid employees information (level = 1 and salary >10.000.000).
- f) Write SQL statements using cursor to update salary of all employees base on update conditionals following:
  - Update Salary = Salary + 300.000 in case:
    - o Has multiple skills and
    - o has level of the employee = 2 and
    - o Has been working at least 2 years ago (from starting date).
  - Update Salary = Salary + 500.000 in case:
    - o multiple skills and
    - o Has level of the employee = 3 and
    - o Has been working at least 3 years ago (from starting date).

### Note:

- You can reuse Emp\_Tracking function to get employee salary.
- Make sure all update records have been updated completely. The database transaction will be rolled back if any update failure).