

*SQL Essential*

Training Assignments

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| Program Code | SQLE |
| Version | 3.1 |
| Effective Date | 01/11/2016 |

**Hanoi, 11/2016**

RECORD OF CHANGES

\*A - Added M - Modified D - Deleted

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| --- | --- | --- | --- | --- |
| Date | Changes | A\* M, D | Contents | Version |
| 14-Oct-2016 | Create | A | Add the new assignments. | v1.0 |
| 14-Oct-2018 | Update | M | Template. | v1.1 |
| 01-Jun-2019 | Update | M | Update Objective | v1.2 |
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|  | **CODE: Assignment1\_Opt1**  **TYPE: Medium**  **LOC: n/a**  **DURATION: 180 MINUTES** |

# For the following assignments:

* Print out respectively the screenshots to show the query results.
* Pack screenshots and SQL scripts or your answers into the zip file named Assignment1\_AccountName.zip (for instance: Assignment1\_NamNT.zip) then handle to the evaluator via email ([XYZ@fsoft.com.vn](mailto:XYZ@fsoft.com.vn) ) or follow the guidance of the class admin.

# Unit 1: Advanced DML Statements

## Assignment 1\_Opt1: Employee Management System

**Barems**: a - 10%, b - 10%, c - 10%, d - 10%, e - 15%, f - 15%, g - 15%, h - 15%

**Objectives**: H5SD - SQL skills

**Problem Descriptions**:

Login SQL Server and create database name EMS, run below script to generate tables:



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:

1. Add at least 8 records into each created tables.
2. Specify name, email and department name of the employees that have been working at least six months.
3. Specify the names of the employees whore have either ‘C++’ or ‘.NET’ skills.
4. List allemployee names, manager names, manager emails of those employees.
5. Specify the departments which have >=2 employees, print out the list of departments’ employees right after each department.
6. List all name, email and skill number of the employees and sortascending order by employee’s name.
7. Create a view to list all employees are working (include: name of employee and skill name, department name).

**-- THE END --**