**BSQL – Assignment 1\_Opt1**

For the following requests, print out respectively the screenshots to show test data (the table data that you create to test each query), the query results, and pack them into the zip file Assignment3\_AccountName.zip along with your answers, then handle to the evaluator via email

Barem: Q1: 30%, Q2.1-20%, Q2.2-20%, Q2.3-15%, Q2.4-15%

# Question 1

Given the following database (the solid-underline fields indicate primary keys, dotted-underline fields indicate foreign keys)

* San\_Pham (Ma\_SP, Ten\_SP, Don\_Gia)
* Khach\_Hang (Ma\_KH, Ten\_KH, Phone\_No, Ghi\_Chu)
* Don\_Hang (Ma\_DH, Ngay\_DH, Ma\_SP, So\_Luong, Ma\_KH)

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. Create the tables (with the most appropriate field/column constraints & types) and add at least 3 records into each created table.
2. Create an order slip VIEW which has the same number of lines as the Don\_Hang, with the following information: Ten\_KH, Ngay\_DH, Ten\_SP, So\_Luong, Thanh\_Tien

# Question 2

Given the following database (the solid-underline fields indicate primary keys, dotted-underline fields indicate foreign keys)

* Employee\_Table (Employee\_Number, Employee\_Name, Department\_Number)
* Employee\_Skill\_Table (Employee\_Number, Skill\_Code, Date Registered)
* Department (Department\_Number, Department\_Name)

Let 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. Create the tables (with the most appropriate field/column constraints & types) and add at least 3 records into each created table.
2. Specify the names of the employees whore have skill of ‘Java’ – give >=2 solutions:
   1. Use JOIN selection
   2. Use sub query
3. Specify the departments which have >=3 employees, print out the list of departments’ employees right after each department.
4. Use SUB-QUERY technique to list out the different employees (include employee number and employee names) who have multiple skills.
5. Create a view to show different employees (with following information: employee number and employee name, department name) who have multiple skills.