Hong Kong Baptist University **Department of Computer Science**

COMP 7810/4096 Business Intelligence (2019-20)

Structured Query Language (SQL)

Introduction

SQL is a standard language for storing, manipulating and retrieving data in databases. Here is the syntax for getting data:

SQL SELECT Syntax

```
SELECT column_name,column_name
FROM table_name;

and

SELECT * FROM table_name;
```

Learning Outcomes

By finishing this lab session, you should be able to

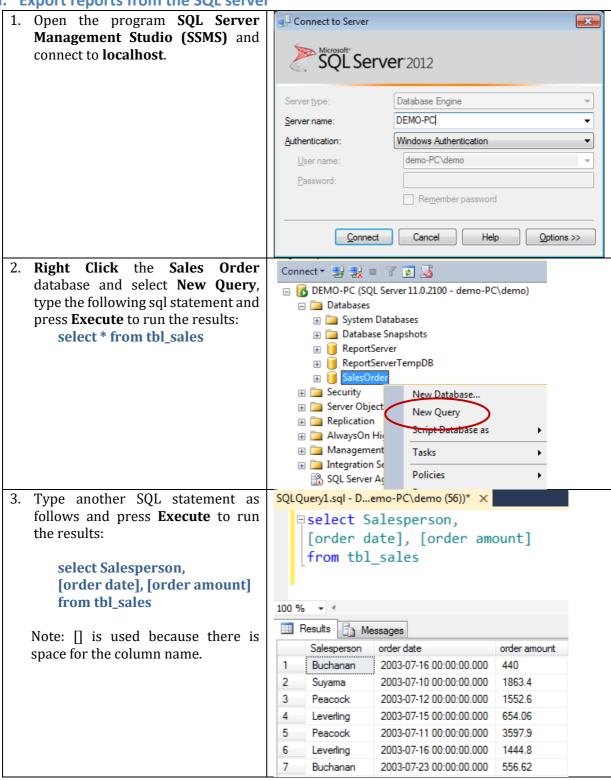
• Write Transact-SQL(T-SQL) in SSMS to retrieve data from the SalesOrder database

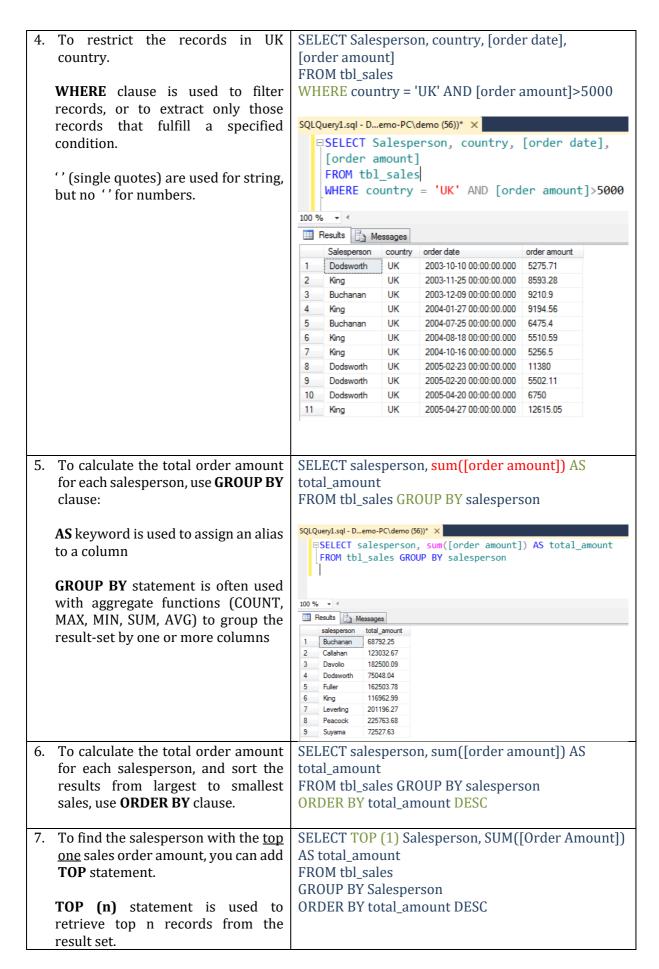
Tools

Microsoft SQL Server Management Studio 2012

Part A: Create queries in SSMS

I. Export reports from the SQL server





8.	A subquery is a SQL query within a	SELECT country, salesperson FROM tbl_sales
	query. To retrieve country and	WHERE [order amount] = (
	salesperson information for the one	select max([order amount]) FROM tbl_sales)
	who has the max sales order	
	amount, you can use subquery.	
	Must use () to enclose subquery	

II. Exercise 1 (Optional)

- 1. Find out the answers for the following questions using SQL statements, copy the SQL statements (the select statements) to a MS Word file named **lab2A-ans.docx** (using screen capture or copy & paste)
 - A. Comparing the sum of order amount for different countries
 - B. Calculating the sum of order amount for each salesperson, and sorting the results from largest to smallest sales
 - C. Finding the five salespersons with the top five sales order amount
 - D. Finding the three salespersons with the bottom three sales order amount
 - E. Showing the total order amount for each salesperson, and calculating summarized order amounts as a percentage of the grand total

III. Answer Submission

1. Submit the file lab2A-ans.docx to the site http://buelearning.hkbu.edu.hk/