Practical 04 – SELECT with Where Clause – Multiple Search Conditions Using Logical Operators: AND, OR and Enclosing two or more conditions in Parentheses

Objectives of this practical

- You will learn how to manaipulate data from tables

Section A: Multiple search conditions using AND operator

1.   Write the SQL statement to list the citizenship and staff names all foreign staff from the School of Digital Media and Infocomm Technology (DMIT). Sort the result in ascending order of staff name within descending order of citizenship.

2.   Write the SQL statement to list in ascending order, the staff name of all male staff who are Singapore citizens born in the sixties (from 1960 to 1969 inclusive). Re-label staff name column's header as 'Singaporean Men'.

Section B: Multiple search conditions using OR operator

1.   Write the SQL statement to list the marital status and staff name of staff that are divorced or widowed. (use the OR operator first then use the IN operator)

2.   Write the SQL statement to list the highest qualification and staff name of staff who are bachelor degree holders or whose names have the letter n. Sort the result in ascending order of staff name within ascending order of highest qualification.

Section C: Multiple search conditions using AND & OR operators

1.   Write the SQL statement to list the marital status and staff name of female staff that are divorced or widowed. (Use the OR operator first then use the IN operator. Remember to use parentheses to encapsulate two conditions as one for OR.)

Section D: Parentheses within Parentheses

1.   Write the SQL statement to list the gender, pay, and staff name of staff who are receiving pay. List the female staff who are paid between 4000 and 7000 or the male staff who are paid between 2000 and 6000. Sort in ascending order of pay within ascending order of gender.

2.   List the staff number, name, gender, date of birth, pay, grade and join year of female staff who are not in grade 'SSD' or 'SSE' but are either born before 1963 or whose pay is more than $6,000 or joined between 1997 and 2000.