



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING
UTM Johor Bahru

SECD2523

SECTION

10

LECTURER: ROZILAWATI BINTI DOLLAH @ MD ZAIN

PROJECT TITLE:

SQL LAB3

(DML2)

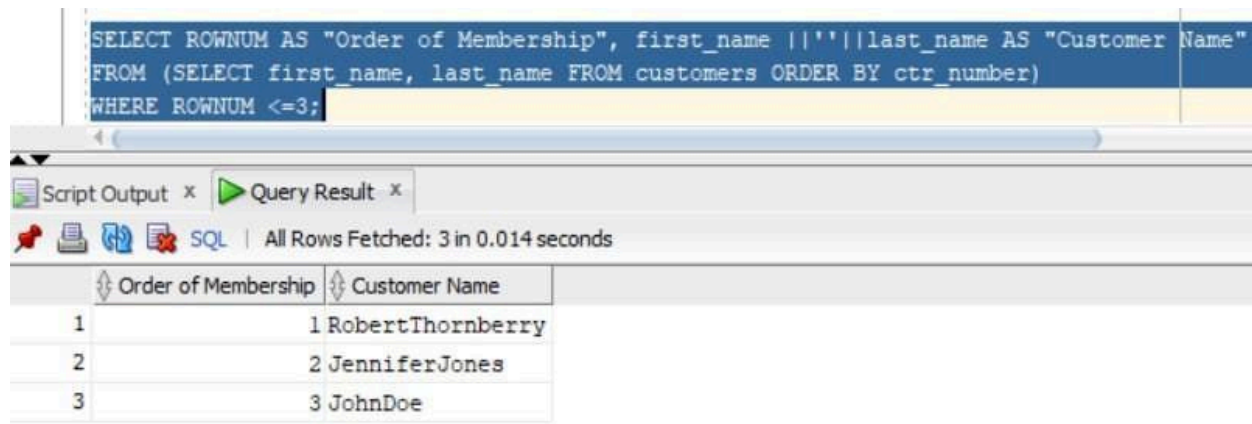
PART6

NAME	MATRIC NUMBER
NURFAZRINA SYAKILA BINTI BAHARUDDIN	A21SC0276

Part 1 : TOP-N-ANALYSIS (S6L8 Objective 3)

1. The customers are numbered sequentially with each new customer being assigned a higher customer number. Use TOP-N-ANALYSIS to only show the First and last name of the first three customers. Show the customers first and last name in the same column using Customer Name as the column alias.

```
SELECT ROWNUM AS "Order of Membership", first_name ||' '||last_name  
AS "Customer Name"  
FROM (SELECT first_name, last_name FROM customers ORDER BY  
ctr_number)  
WHERE ROWNUM <=3;
```



The screenshot shows a SQL query execution window with two tabs: 'Script Output' and 'Query Result'. The 'Query Result' tab is active, displaying the results of the query. The status bar indicates 'All Rows Fetched: 3 in 0.014 seconds'. The results are shown in a table with two columns: 'Order of Membership' and 'Customer Name'.

Order of Membership	Customer Name
1	1 RobertThornberry
2	2 JenniferJones
3	3 JohnDoe

Part 2 : Using a Substitution Variable (S6L8 Objective 4)

1. Use a substitution variable that will allow you to enter the commission rate for the sales representatives. The first and last names should be displayed to screen for any sales representatives that earn that commission rate and the output should be ordered by their last name. Use an appropriate alias for your column headings

```
ACCEPT commission_rate NUMBER PROMPT 'Enter Commission Rate:  
'  
SELECT first_name ||' '||last_name AS "Sales Representatives"  
FROM sales_representatives  
WHERE commission_rate = :commission_rate  
ORDER BY last_name;
```

