Practical Activity 9

Integrated Activity
(20 marks)

Informatics
Analyse
Implement
Design
Develop
Information Systems

Important Notes:
- Use MS SQL Server 2014 Management Studio / SQL Server Express or any version of SQL you have installed to complete this exercise.
- All practical activities should be completed before the due date as specified in the study guide.
- Write the correct SQL code in SQL server and copy and paste your answers in the space provided in the Practical Activity 9 (available on Clickup under the Assessments link).
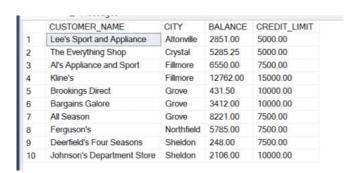- This activity will be marked and the mark will be worked back to a total of 10 marks.

CONTEXT:
The practical exercise is based on Premier Distributors database. Download the **Premier Distributors.sql** database script from ClickUP and then run the **Premier Distributors.sql** script to create and populate the database.

Queries – Premier Distributors

1. Write a query to show the Customer name, City, Balance and the customer credit limit. Sort your results by city and the balance amount in ascending order.   **[3]**

Query Result:

	CUSTOMER_NAME	CITY	BALANCE	CREDIT_LIMIT
1	Lee's Sport and Appliance	Altonville	2851.00	5000.00
2	The Everything Shop	Crystal	5285.25	5000.00
3	Al's Appliance and Sport	Fillmore	6550.00	7500.00
4	Kline's	Fillmore	12762.00	15000.00
5	Brookings Direct	Grove	431.50	10000.00
6	Bargains Galore	Grove	3412.00	10000.00
7	All Season	Grove	8221.00	7500.00
8	Ferguson's	Northfield	5785.00	7500.00
9	Deerfield's Four Seasons	Sheldon	248.00	7500.00
10	Johnson's Department Store	Sheldon	2106.00	10000.00

2. Write a subquery to show all the customers whose current balance is less than the average current balance. Display the customer name and current balance.   **[4]**

Query Result:

	Customer_NAME	BALANCE
1	Brookings Direct	431.50
2	Bargains Galore	3412.00
3	Johnson's Department Store	2106.00
4	Lee's Sport and Appliance	2851.00
5	Deerfield's Four Seasons	248.00

3. Use a subquery to display all the existing orders for 'The Everything Shop'. Display the order number and the customer number. **[6]**

Query Result:

	ORDER_NUM	CUSTOMER_NUM
1	21613	408

4. Use a subquery to display all the customers that the sales rep 'Juan' is associated with. Display only the customers names. **[4]**

Query Result:

	CUSTOMER_NAME
1	Ferguson's
2	Bargains Galore
3	Johnson's Department Store

5. Write a query that will list all the columns in the PART table where the description starts with the letter 'D'. **[3]**

Query Result:

⊞ Results ⊡ Messages

	DESCRIPTION
1	Dryer
2	Dishwasher

TOTAL: [20 MARKS]