



Practical Activity 3

Multi-Table Queries (15 marks)

Important Notes:

- Make use that you log into the PC as `.user`
- Make sure that you log in SQL Server Management Studio under “Windows Authentication” mode
- All homework should be uploaded to ClickUP before the designated cutoff time.
- Homework is marked in class - SQL scripts are what is marked
- Scripts which run and perform what they are supposed to do get full marks
- Scripts which do not run will be marked on their own merit.
- For additional assistance, please refer to <https://www.w3schools.com/sql/>

CONTEXT:

The practical exercise is based on the DBDaspoortClinic database. Download the **DaspoortClinic.sql** database script from ClickUP and then run the **DaspoortClinic.sql** script to create and populate the database.

Queries – DaspoortClinic

1. Write a query to display all the patients and their title. Display the name, surname and title name. [3]

Query result (only top 10 records shown here, your result should have 19 records)

	Name	Surname	Name
1	Kagisho	Mokgalaka	Mr
2	Tom	Tonga	Mr
3	Milton	Tonga	Mr
4	Muhammed	Gaffer	Mr
5	Lovedale	Maduna	Mr
6	Maite	Bentley	Mr
7	Chris	Kirkwood	Mr
8	Sbongile	Whitten	Mr
9	Pieter	Grobler	Mr
10	Shelly	Cashman	Mr

2. Write a query to display patients that reside in 'Gauteng'. Display the patients name, surname and province name. [3]

Query result

	Name	Surname	Province_Name
1	Kagisho	Mokgalaka	Gauteng
2	Tom	Tonga	Gauteng
3	Milton	Tonga	Gauteng
4	Muhammed	Gaffer	Gauteng
5	Piet	Morris	Gauteng

3. Write a query to display all the 'Insert' audit log entries by 'Kagisho'. **HINT:** You should make use of the where statement to attain all records related to Kagisho and also the **LIKE** operator searching for the 'Insert' audit log entries. Display the User Name, Surname, Audit Description, and log date. [4]

Query result

	Name	Surname	Description	LogDate
1	Kagisho	Shai	Insert New Disease No. 5	1899-12-30 01:09:00.000
2	Kagisho	Shai	Insert New Medication No. 2	1899-12-30 00:57:00.000

4. Write a query to show all the patients that had a consultation in the year '2011' *HINT: USE THE **LIKE** OPERATOR*, as well as the **user** that booked the consultation for the consultation. Display the Patient Number, name, surname, consultation date and lastly the users name and surname. Use "**inner join**" instead of the comma method.

[5]

Query result

	Patient_No	Name	Surname	Con_Consult_Date	Name	Surname
1	1200003	Milton	Tonga	15-06-2011 3:12 PM	Kagisho	Shai
2	1200015	Esmeron	Series	02-02-2011 08:55 AM	Kagisho	Shai

TOTAL [15]



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Practical Activity 3

(____ / 15 marks)

Student NR	Surname	Initials

MARK ALLOCATED FOR	OBTAINED	MAX
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1	Patients and their title names		3
2	Patients that reside in the province 'Gauteng'		3
3	WHERE 'Kagisho' and LIKE Operator used		4
4	Two Inner joins and LIKE Operator used		5

	TOTAL		15
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