



# Practical Activity 7

## Subqueries (10 marks)

### Important Notes:

- 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 GotchaSystems database. Download the **GotchaSystems.sql** database script from ClickUP and then run the **GotchaSystems.sql** script to create and populate the database. **NB: You must use subqueries to yield your results for this practical (even if you can get the same result with a join statement)**

### Queries – GotchaSystems

1. Use a subquery to show the stock name and stock write off date of the first stock item to be written off. [2]

	Stock_Item_Name	Stock_Write_Off_Date
1	Blaster RTY 566	2011-09-03 16:25:38.813

2. Use a subquery to show the suppliers who have NOT supplied anything. Show the supplier ID as well as the supplier's name. [2]

	Supplier_ID	Supplier_Name
1	9	Regent
2	10	Jeppe Stores CC

3. Use nested queries to show the stock item name and description for the stock that has been returned due to a color reason in the stock returned reason. [4]

	Stock_Item_Name	Stock_Item_Description
1	Multi Coloured Paintballs	Paintballs

4. Use a subquery to show all payments that have been made that are **NOT** associated with a MemberID. [2]

Results		Messages	
	Payment_ID	Payment_Amount	Payment_Date
1	1	100.00	2011-09-03 00:00:00.000
2	2	200.00	2011-09-03 00:00:00.000
3	4	100.00	2011-09-03 00:00:00.000
4	5	300.00	2011-09-03 00:00:00.000
5	6	50.00	2011-09-03 00:00:00.000
6	7	1206.18	2011-09-03 00:00:00.000

**TOTAL [10]**



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## Practical Activity 7

( \_\_\_\_ / 10 marks)

Student NR	Surname	Initials

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1	Subquery to show the stock which was written off first		2
2	Subquery to show the suppliers who have NOT supplied anything.		2
3	Nested queries to show the stock item name and description for the stock that has been returned due to the stock being 'incorrect'.		4
4	Subquery to show all payments that have been made that are <u>NOT</u> associated with a MemberID.		2

	TOTAL		10
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