

# Optimum Upgrade Database prompted Subquery returned more than 1 value

[Version 1.0]

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[28/06/2021]



**QNE**  
**SOFTWARE**

## QNE TIPS

Product : QNE Optimum


Version: 1.00

Doc No : 1

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REV. No	Nature of Change	Prepared By	Prepared Date	Reviewed & Approved by
1.0	Creation	Jason	28/06/2021	

Amendment Record

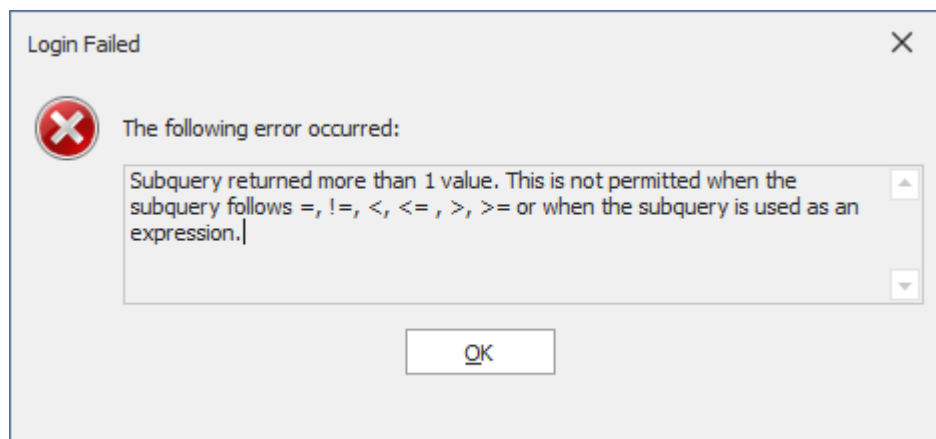
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## SCENARIO

Upgrade Database prompted

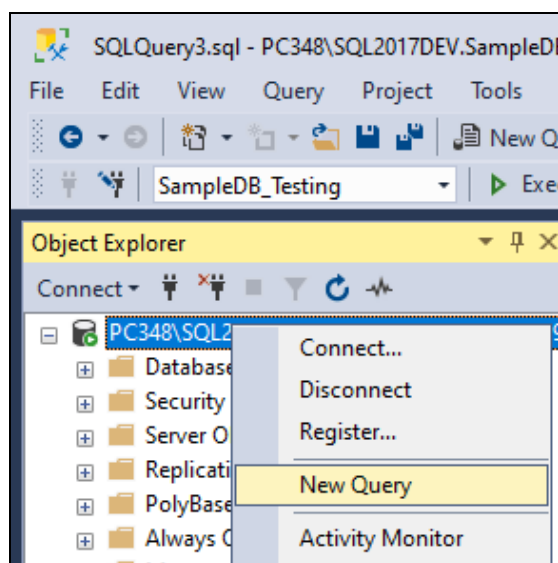
*"Subquery returned more than 1 value."*

*This is not permitted when the subquery follows =, !=, <, <=, >, >= or when the subquery is used as an expression."*



## SOLUTION

1. Connect your database with SSMS (SQL Server Management Studio)  
<https://support.qne.com.my/a/solutions/articles/81000385373>
2. Right-click your server instance in Object Explorer, and then select New Query



3. To find out which UserName has more than 1 row recorded for *Subquery returned more than 1 value*,

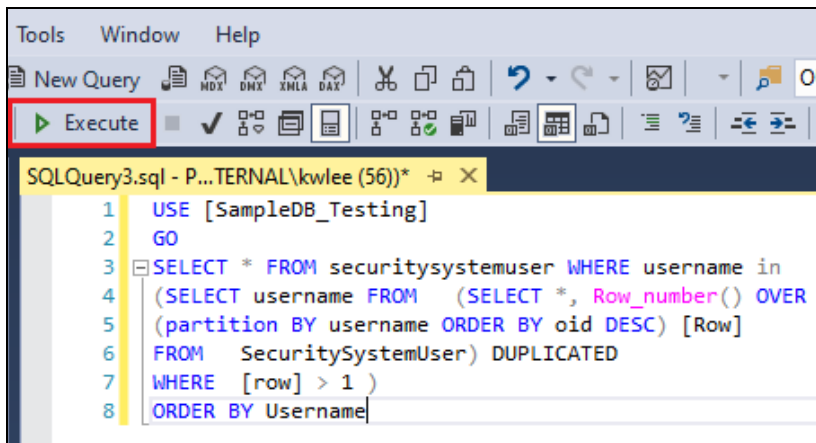
Paste the following T-SQL code snippet into the query window:

```

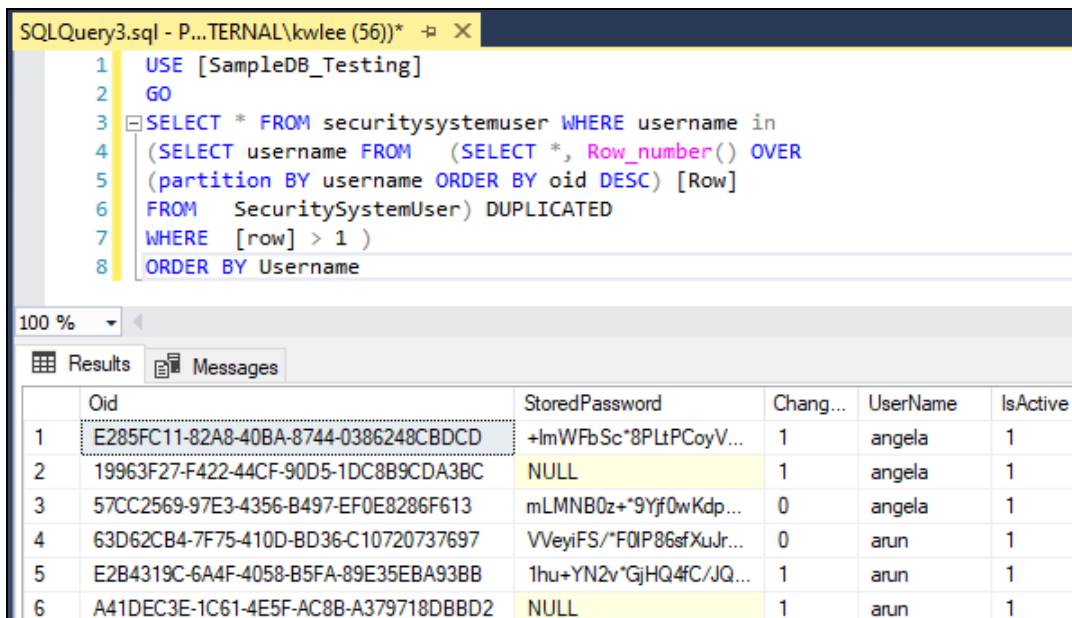
-----Replace [SampleDB_Testing] to your database name-----
USE [SampleDB_Testing]
GO
SELECT * FROM securitysystemuser WHERE username in
(SELECT username FROM (SELECT *, Row_number() OVER
(partition BY username ORDER BY oid DESC) [Row]
FROM SecuritySystemUser) DUPLICATED
WHERE [row] > 1 )
ORDER BY Username

```


4. Execute the query by selecting Execute or selecting F5 on your keyboard.



5. The results of the query are displayed under the area where the text was entered.

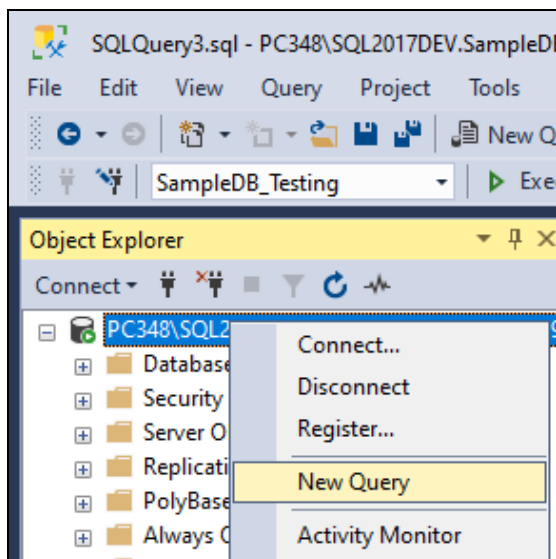


	Oid	StoredPassword	Chang...	UserName	IsActive
1	E285FC11-82A8-40BA-8744-0386248CBDCD	+lmWFbSc*8PLtPCoyV...	1	angela	1
2	19963F27-F422-44CF-90D5-1DC8B9CDA3BC	NULL	1	angela	1
3	57CC2569-97E3-4356-B497-EF0E8286F613	mLMNB0z+*9Yf0wKdp...	0	angela	1
4	63D62CB4-7F75-410D-BD36-C10720737697	VVeyiFS/*FQIP86sfXuJr...	0	arun	1
5	E2B4319C-6A4F-4058-B5FA-89E35EBA93BB	1hu+YN2v*GjHQ4fC/JQ...	1	arun	1
6	A41DEC3E-1C61-4E5F-AC8B-A379718DBBD2	NULL	1	arun	1

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6. To delete the duplicated rows only for *Subquery returned more than 1 value*,

Right-click your server instance in Object Explorer, and then select New Query




7. Paste the following T-SQL code snippet into the query window:

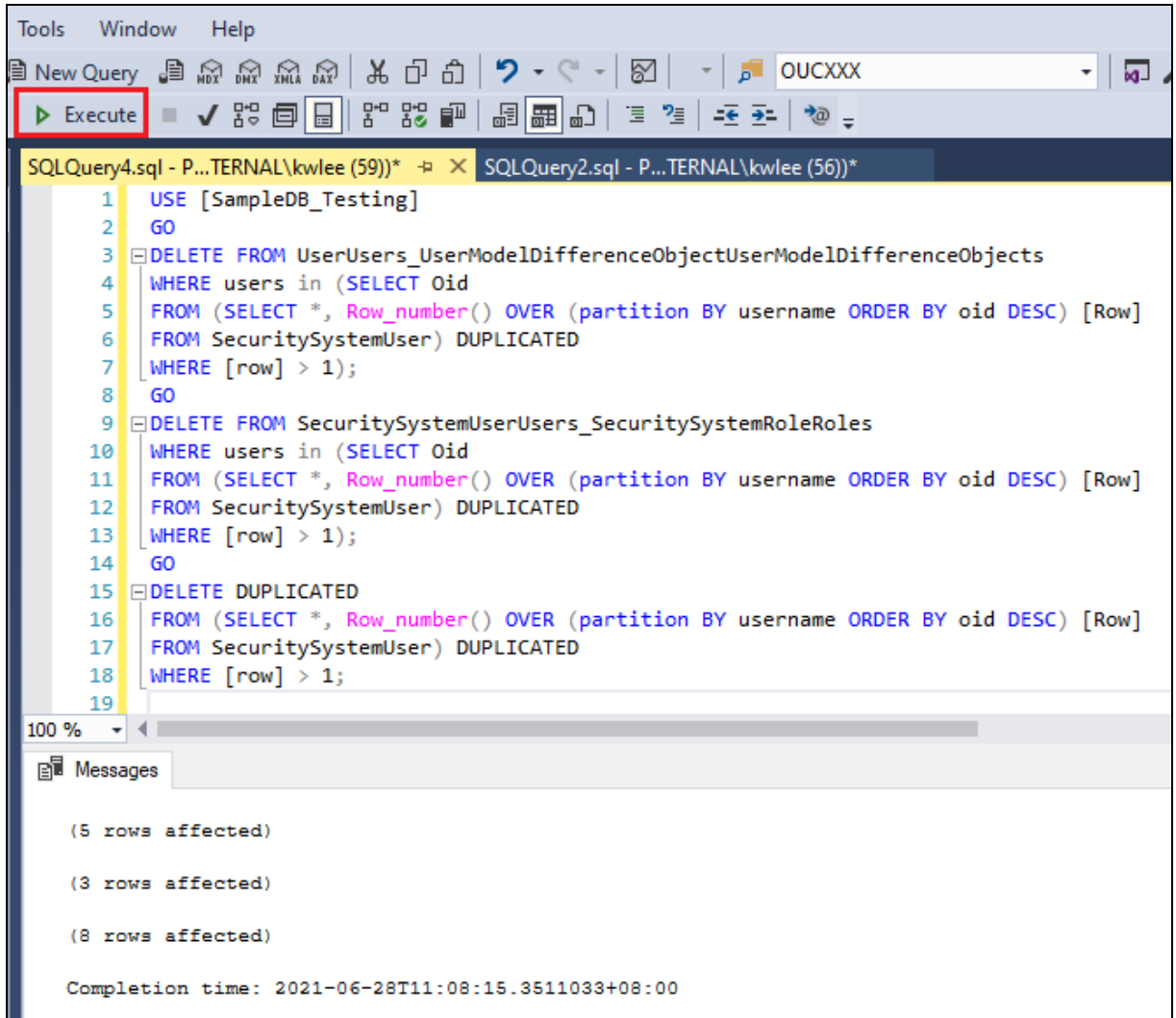
```

-----Replace [SampleDB_Testing] to your database name-----
USE [SampleDB_Testing]
GO
DELETE FROM UserUsers_UserModelDifferenceObjectUserModelDifferenceObjects
WHERE users in (SELECT Oid
FROM (SELECT *, Row_number() OVER (partition BY username ORDER BY oid DESC) [Row]
FROM SecuritySystemUser) DUPLICATED
WHERE [row] > 1);
GO
DELETE FROM SecuritySystemUserUsers_SecuritySystemRoleRoles
WHERE users in (SELECT Oid
FROM (SELECT *, Row_number() OVER (partition BY username ORDER BY oid DESC) [Row]
FROM SecuritySystemUser) DUPLICATED
WHERE [row] > 1);
GO
DELETE DUPLICATED
FROM (SELECT *, Row_number() OVER (partition BY username ORDER BY oid DESC) [Row]
FROM SecuritySystemUser) DUPLICATED
WHERE [row] > 1;

```

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8. Execute the query by selecting Execute or selecting F5 on your keyboard.



```

1  USE [SampleDB_Testing]
2  GO
3  DELETE FROM UserUsers_UserModelDifferenceObjectUserModelDifferenceObjects
4  WHERE users in (SELECT Oid
5  FROM (SELECT *, Row_number() OVER (partition BY username ORDER BY oid DESC) [Row]
6  FROM SecuritySystemUser) DUPLICATED
7  WHERE [row] > 1);
8  GO
9  DELETE FROM SecuritySystemUserUsers_SecuritySystemRoleRoles
10 WHERE users in (SELECT Oid
11 FROM (SELECT *, Row_number() OVER (partition BY username ORDER BY oid DESC) [Row]
12 FROM SecuritySystemUser) DUPLICATED
13 WHERE [row] > 1);
14 GO
15 DELETE DUPLICATED
16 FROM (SELECT *, Row_number() OVER (partition BY username ORDER BY oid DESC) [Row]
17 FROM SecuritySystemUser) DUPLICATED
18 WHERE [row] > 1;
19

```

100 %

Messages

(5 rows affected)

(3 rows affected)

(8 rows affected)

Completion time: 2021-06-28T11:08:15.3511033+08:00

9. After the query is complete, duplicated rows is removed from your database
10. Re-open Optimum application and proceed to upgrade database version

Know more about [Subquery returned more than 1 value.](#)