

#Issue 15844 (Parameters are not been identified inside single quotes for OCI connections)

Description:

An user is reporting that when using **parameterized scripts**, the parameter variable is not been recognized when it is inside single quotes when connecting to an Oracle OCI connection like in the following example:

```
SELECT * FROM "asif"."table3"  
WHERE TEST > TO_DATE('&1','MMDDYYYY')
```

When running this example, the Query Analyzer window keeps spinning and the Parameters window never pops up. When the parameter is not inside quotes, the script runs properly.

Code Setup:

- Download Oracle Database 19c (Oracle Official Website)
- Get Oracle v18 OCI Conn File
- Installed Oracle 19c
- Oracle OCI ADS Connection Command
- **Connected to Oracle OCI**

References:

[https://www.aquaclusters.com/app/home/project/public/aquadatastudio/wikibook/Documentation 21.1/page/51/Parameterized-Scripts](https://www.aquaclusters.com/app/home/project/public/aquadatastudio/wikibook/Documentation%2021.1/page/51/Parameterized-Scripts)

https://www.techonthenet.com/oracle/functions/to_date.php

Parameterized Scripts: (Information)

- Parameters are defined by leading **&**

Simple parameter query

Example: **SELECT * FROM DEPARTMENTS WHERE DEPARTMENT_ID = &id**

Parameter query in a quoted string

Example: **SELECT * FROM DEPARTMENTS WHERE DEPARTMENT_NAME = '&name'**

- Parameters also support default values. Default values may be defined by appending **"="** and the value after the name of the parameter. Default values may be single quoted to support values with spaces and special characters.

Simple parameter query

Example: **SELECT * FROM DEPARTMENTS WHERE DEPARTMENT_ID = &id=10**

Parameter query in a quoted string

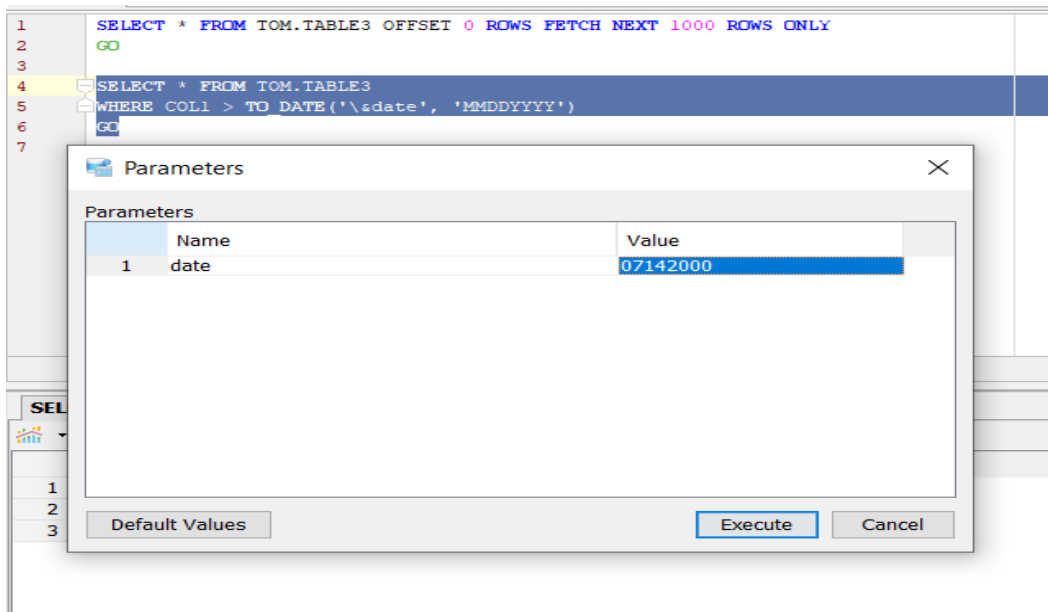
Example: **SELECT * FROM DEPARTMENTS WHERE DEPARTMENT_NAME = '&name='Sales Dept''**

SNAPSHOTS (NOT ABLE TO REPRODUCE ISSUE)

Query-

```
1 SELECT * FROM TOM.TABLE3 OFFSET 0 ROWS FETCH NEXT 1000 ROWS ONLY
2 GO
3
4 SELECT * FROM TOM.TABLE3
5 WHERE COL1 > TO_DATE('&date', 'MMDDYYYY')
6 GO
7
```

Parameters Windows Pops Up-

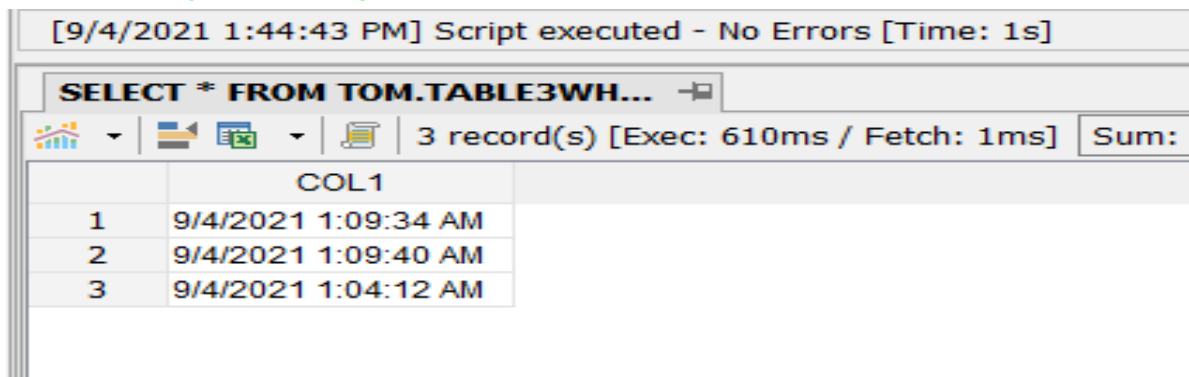


The screenshot shows a SQL Developer window with a query editor. The query is: `SELECT * FROM TOM.TABLE3 OFFSET 0 ROWS FETCH NEXT 1000 ROWS ONLY` followed by `GO`, then `SELECT * FROM TOM.TABLE3`, `WHERE COL1 > TO_DATE('&date', 'MMDDYYYY')`, and another `GO`. A Parameters dialog box is open in the foreground, titled "Parameters". It contains a table with the following data:

Parameters	Name	Value
1	date	07142000

At the bottom of the dialog box, there are buttons for "Default Values", "Execute", and "Cancel".

Result Displayed Correctly-



The screenshot shows the SQL Developer interface displaying the results of the query. The status bar at the top indicates "[9/4/2021 1:44:43 PM] Script executed - No Errors [Time: 1s]". The query window title is "SELECT * FROM TOM.TABLE3WH...". The results grid shows 3 records for COL1:

	COL1
1	9/4/2021 1:09:34 AM
2	9/4/2021 1:09:40 AM
3	9/4/2021 1:04:12 AM

The results grid also shows "3 record(s) [Exec: 610ms / Fetch: 1ms]" and a "Sum:" button.

Query-

```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE('\&date', 'MMDDYYYY')  
GO
```

Parameters Windows Pops Up-

```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE('\&date', 'MMDDYYYY')  
GO
```

Parameters	
Name	Value
1 date	07142000

Default Values Execute Cancel

Result Displayed Correctly-

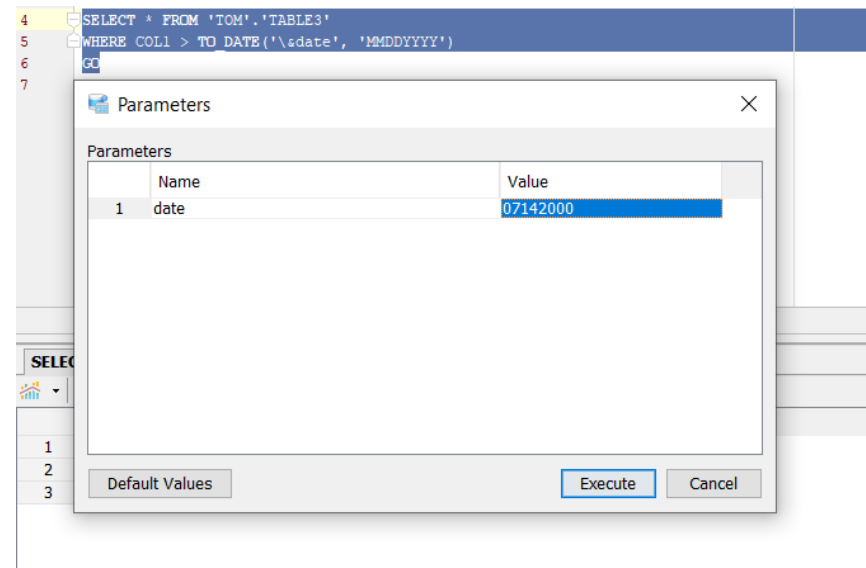
SELECT * FROM "TOM"."TABLE3... 3 record(s) [Exec: 616ms / Fetch: 1ms] Sum:

	COL1
1	9/4/2021 1:09:34 AM
2	9/4/2021 1:09:40 AM
3	9/4/2021 1:04:12 AM

Query- (Incorrect Syntax)

```
SELECT * FROM 'TOM'. 'TABLE3'  
WHERE COL1 > TO_DATE('\&date', 'MMDDYYYY')  
GO
```

Parameters Windows Pops Up-



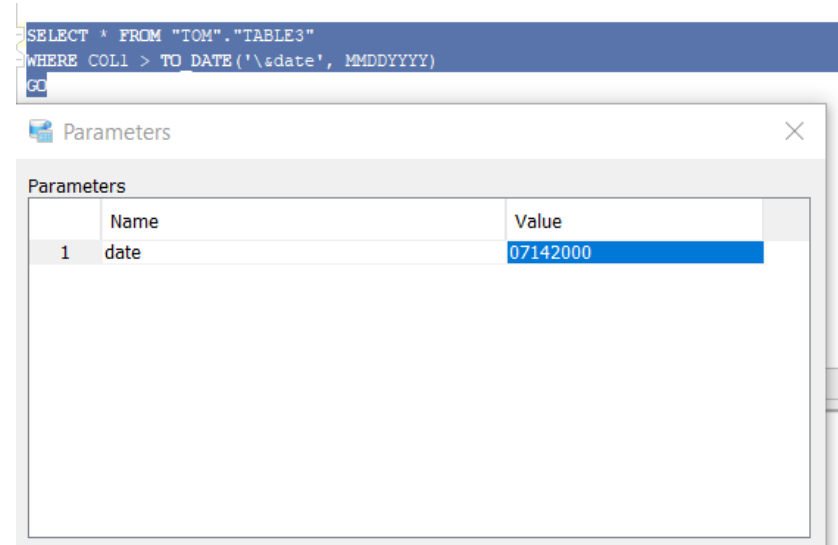
Result Window-

```
[9/4/2021 1:50:08 PM] Script executed - (1) Error(s) [Time: 1s]  
1 DBMS_OUTPUT:  
2 -----  
3  
4  
5 >[Error] Script lines: 4-6 -----  
6 ORA-00903: invalid table name □  
7  
8 [Executed: 9/4/2021 1:50:07 PM] [Execution: 0ms]  
9  
10
```

Query- (Incorrect Syntax)

```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE('\&date', MMDDYYYY)  
GO
```

Parameters Windows Pops Up-



The screenshot shows a SQL Developer interface. At the top, a query window contains the following SQL code:

```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE('\&date', MMDDYYYY)  
GO
```

Below the query window, a "Parameters" dialog box is open. It has a title bar with a close button. The dialog contains a table with the following data:

Parameters		
	Name	Value
1	date	07142000

Result Window-

```
[9/4/2021 1:59:24 PM] Script executed - (1) Error(s) [Time: 1s]  
1 DBMS_OUTPUT:  
2 -----  
3  
4  
5 >[Error] Script lines: 4-6 -----  
6 ORA-00904: "MMDDYYYY": invalid identifier □  
7  
8 [Executed: 9/4/2021 1:59:23 PM] [Execution: 0ms]  
9  
10
```

Query- (Incorrect Syntax)

```
]SELECT * FROM "TOM"."TABLE3"  
]WHERE COL1 > TO_DATE(&date, 'MMDDYYYY')  
GO
```

Parameters Windows Pops Up-

The screenshot shows a SQL Developer window with a query editor containing the following SQL code:

```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE(&date, 'MMDDYYYY')  
GO
```

A "Parameters" dialog box is open in the foreground. It contains a table with the following data:

	Name	Value
1	date	07142000

At the bottom of the dialog, there are three buttons: "Default Values", "Execute", and "Cancel".

Below the dialog, the status bar shows: [Executed: 9/4/2021 2:01:15 PM] [Execution: 0ms]

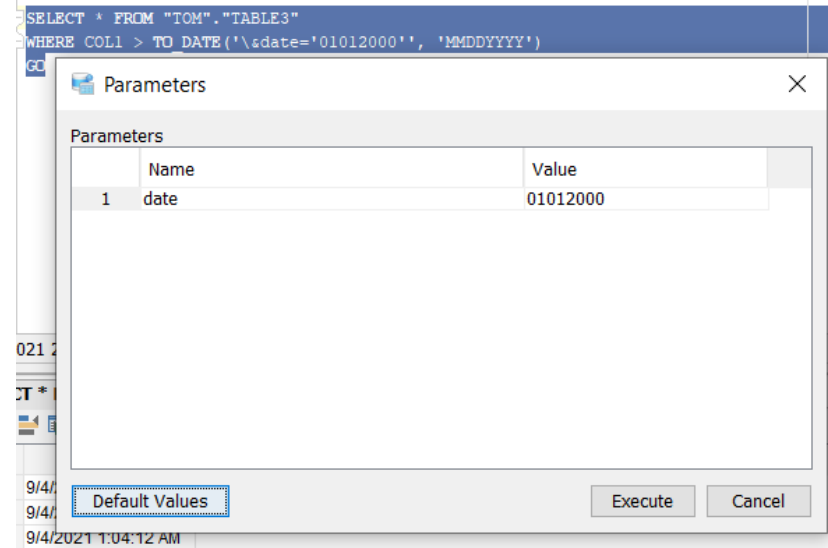
Result Window-

```
1 DBMS_OUTPUT:  
2 -----  
3  
4  
5 >[Error] Script lines: 4-6 -----  
6 ORA-01843: not a valid month □  
7  
8 [Executed: 9/4/2021 2:04:57 PM] [Execution: 0ms]  
9  
10
```

Query-

```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE('\&date='01012000'', 'MMDDYYYY')  
GO
```

Parameters Windows Pops Up-



The screenshot shows a SQL query window with the following text:

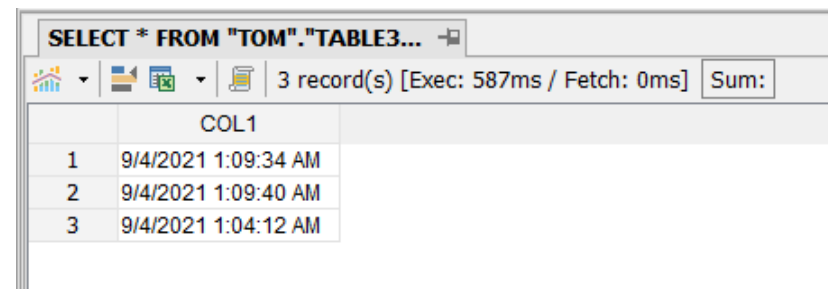
```
SELECT * FROM "TOM"."TABLE3"  
WHERE COL1 > TO_DATE('\&date='01012000'', 'MMDDYYYY')  
GO
```

A "Parameters" dialog box is open over the query. It contains a table with the following data:

	Name	Value
1	date	01012000

At the bottom of the dialog box, there are three buttons: "Default Values", "Execute", and "Cancel".

Result Displayed Correctly-



The screenshot shows the results of the query in a grid format. The grid has a header row with "COL1" and three data rows. The status bar at the top indicates "3 record(s) [Exec: 587ms / Fetch: 0ms] Sum:".

	COL1
1	9/4/2021 1:09:34 AM
2	9/4/2021 1:09:40 AM
3	9/4/2021 1:04:12 AM