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Question

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## Provide FROM table name to query as a parameter

I have an array of table names that I want to iterate over and for each table, get the number of rows. I was hoping I could do something like:

```
set tStatement = ##class(%SQL.Statement).%New()  
set tSC = tStatement.%Prepare("SELECT COUNT(*) AS ObservedRowCount FROM ?")  
$$$ThrowOnError(tSC)  
set tTableName = ""  
for  
{  
    set tTableName = $O(tCounterAry(tTableName))  
    quit:tTableName=""  
    set tResult = tStatement.%Execute(tTableName)  
    // ...  
}
```

But that doesn't work:

```
ERROR #5540: SQLCODE: -1 Message: IDENTIFIER expected, ? found^ SELECT COUNT ( * ) A  
S ObservedRowCount FROM ?
```

For reasons that I hope are obvious I would prefer not to do this with something like:

```
set tResult = ##class(%SQL.Statement).%ExecDirect(,  
"SELECT COUNT(*) AS ObservedRowCount FROM "_tTableName)
```

(And if it's not obvious: this makes me vulnerable to a [SQL injection attack](#). See also: <https://xkcd.com/327/>)

Is there a way that I can safely, dynamically query different tables with the same query?

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