

GENERATE_SERIES function detailed error messages

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Introduction

The `GENERATE_SERIES` function was added to SQL Server 2022 and to SQL Database and SQL Managed Instance in November 2022. This function generates a series of numbers within a given interval. The interval and the step between series values are defined by the user.

Note: `GENERATE_SERIES` requires the compatibility level to be at least 160. When the compatibility level is less than 160, SQL Server is unable to find the `GENERATE_SERIES` function.

Example

This example generates a series of decimal values between 0.0 and 1.0 in increments of 0.1.

```
DECLARE @start decimal(2, 1) = 0.0;
DECLARE @stop decimal(2, 1) = 1.0;
DECLARE @step decimal(2, 1) = 0.1;

SELECT value
FROM GENERATE_SERIES(@start, @stop, @step);
```

```
value
-----
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
```

Detailed error messages

```

/// <summary>
/// <para>Error: 208</para>
/// <para>"Invalid object name &apos;%.*ls&apos;."</para>
/// </summary>
SQ_BADOBJECT = 208,

/// <summary>
/// <para>Error: 313</para>
/// <para>"An insufficient number of arguments were supplied for the procedure or function %.*ls."</para>
/// </summary>
TOO_FEW_ARGS = 313,

/// <summary>
/// <para>Error: 8144</para>
/// <para>"Procedure or function %.*ls has too many arguments specified."</para>
/// </summary>
SQ2_TOOMANYARGS = 8144,

/// <summary>
/// <para>Error: 8116</para>
/// <para>"Argument data type %ls is invalid for argument %d of %ls function."</para>
/// </summary>
SQ2_BLTIN_BAD_ARG = 8116,

/// <summary>
/// <para>Error: 4199</para>
/// <para>"Argument value %d is invalid for argument %d of %ls function."</para>
/// </summary>
ALG_INVALID_ARG_VALUE = 4199,

/// <summary>
/// <para>Error: 8116</para>
/// <para>"Argument data type %ls is invalid for argument %d of %ls function."</para>
/// </summary>
SQ2_BLTIN_BAD_ARG = 8116,

/// <summary>
/// <para>Error: 16212</para>
/// <para>"The function &apos;%.*ls&apos; expects parameter %.*ls at position %d."</para>
/// </summary>
P4_NAMED_PARAMETER_ERROR = 16212,

/// <summary>
/// <para>Error: 16213</para>
/// <para>"All parameters of &apos;%.*ls&apos; must be named."</para>
/// </summary>
P4_ONLY_NAMED_PARAMETERS = 16213,

```

Internal Reference

[Internal video demonstrating the new capabilities for Time Series functions including GENERATE_SERIES](#)  [Time series data T-SQL functions](#)

Public Doc Reference

[GENERATE_SERIES \(Transact-SQL\)](#) 

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:

SQL Database/Performance and Query Execution

How good have you found this content?

