

0. Summary

1. Create Sample Data
 2. parameterised dynamic sql with dynamic Output Parameter
 3. Clean up
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0. Summary

parameterised dynamic sql with dynamic Output Parameter

```
--DECLARE @gamerCount INT;
--DECLARE @gender NVARCHAR(10) = 'Male';
--DECLARE @sql NVARCHAR(MAX) = 'SELECT @gamerCount = Count(*) FROM Gamer where Gender=@gender';
--EXECUTE sp_executesql @sql, N'@gender NVARCHAR(10), @gamerCount INT OUTPUT',
-- @gender, @gamerCount OUTPUT;
--PRINT @gamerCount;
```

1. Create Sample Data

```
--=====
--T043_01_Create Sample Data
--=====
```

```
IF ( EXISTS ( SELECT      *
               FROM        INFORMATION_SCHEMA.TABLES
               WHERE       TABLE_NAME = 'Gamer' ) )
BEGIN
    TRUNCATE TABLE dbo.[Gamer];
    DROP TABLE [Gamer];
END;
GO -- Run the previous command and begins new batch
CREATE TABLE [Gamer]
(
    Id INT IDENTITY(1, 1)
        PRIMARY KEY ,
    FirstName NVARCHAR(50) ,
    LastName NVARCHAR(50) ,
    Gender NVARCHAR(50) ,
    GameScore INT
);
GO -- Run the previous command and begins new batch
INSERT INTO Gamer
VALUES ( 'AFirst01', 'XLast01', 'Female', 3500 );
INSERT INTO Gamer
VALUES ( 'AFirst02', 'YLast02', 'Female', 4000 );
INSERT INTO Gamer
VALUES ( 'BFirst03', 'YLast03', 'Male', 4600 );
```

```

INSERT INTO Gamer
VALUES ( 'BFirst04', 'YLast04', 'Male', 5400 );
INSERT INTO Gamer
VALUES ( 'BFirst05', 'ZLast05', 'Female', 2000 );
INSERT INTO Gamer
VALUES ( 'CFirst06', 'YLast06', 'Male', 4320 );
INSERT INTO Gamer
VALUES ( 'CFirst07', 'YLast07', 'Male', 4400 );
GO -- Run the previous command and begins new batch
SELECT *
FROM Gamer;
GO -- Run the previous command and begins new batch

```

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2. parameterised dynamic sql with dynamic Output Parameter

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--T043_02_parameterised dynamic sql with dynamic Output Parameter
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--T043_02_01
--parameterised dynamic sql
DECLARE @gender NVARCHAR(10) = 'Male';
DECLARE @sql NVARCHAR(MAX) = 'SELECT Count(*) FROM Gamer WHERE Gender=@gender';
EXECUTE sp_executesql @sql, N'@gender NVARCHAR(10)', @gender;
GO -- Run the previous command and begins new batch
--4
-----
--T043_02_02
--parameterised dynamic sql with dynamic Output Parameter
DECLARE @gamerCount INT;
DECLARE @gender NVARCHAR(10) = 'Male';
DECLARE @sql NVARCHAR(MAX) = 'SELECT @gamerCount = Count(*) FROM Gamer where Gender=@gender';
EXECUTE sp_executesql @sql, N'@gender NVARCHAR(10), @gamerCount INT OUTPUT',
    @gender, @gamerCount OUTPUT;
PRINT @gamerCount;
GO -- Run the previous command and begins new batch
--4
-----
--T043_02_03
--parameterised dynamic sql with dynamic Output Parameter
--Without OUTPUT, it will return NULL
DECLARE @gamerCount INT;
DECLARE @gender NVARCHAR(10) = 'Male';
DECLARE @sql NVARCHAR(MAX) = 'SELECT @gamerCount = Count(*) FROM Gamer where Gender=@gender';
EXECUTE sp_executesql @sql, N'@gender NVARCHAR(10), @gamerCount INT OUTPUT',
    @gender, @gamerCount;
--**Without OUTPUT, it will return NULL
SELECT @gamerCount;
GO -- Run the previous command and begins new batch
--NULL

```

=====

3. Clean up

```
=====
--T043_03_Clean up
=====
IF ( EXISTS ( SELECT      *
                FROM        INFORMATION_SCHEMA.TABLES
                WHERE        TABLE_NAME = 'Gamer' ) )
BEGIN
    TRUNCATE TABLE dbo.[Gamer];
    DROP TABLE [Gamer];
END;
GO -- Run the previous command and begins new batch
```