**How to select Random Row in SQL server**

SELECT TOP 1 column FROM table

ORDER BY **NEWID**()

I have found this to work best for big data.

`SELECT TOP 1 Column\_Name FROM dbo.Table TABLESAMPLE(1 PERCENT);

REPEATABLE option so that the query returns the same random set of data each time you run the query.  Again this assumes that your data has not changed.

|  |
| --- |
| SELECT TOP 10 \* FROM Sales.SalesOrderDetail TABLESAMPLE (1000 ROWS) REPEATABLE (25) |

**ROW NUMBER()**

There is no guarantee that the rows returned by a query using ROW\_NUMBER() will be ordered exactly the same with each execution unless the following conditions are true.

1. Values of the partitioned column are unique.
2. Values of the ORDER BY columns are unique.
3. Combinations of values of the partition column and ORDER BY columns are unique.

## [Examples](javascript:void(0))

### A. Returning the row number for salespeople

The following example calculates a row number for the salespeople in Adventure Works Cycles based on their year-to-date sales ranking.

USE AdventureWorks2012;

GO

SELECT **ROW\_NUMBER() OVER(ORDER BY SalesYTD DESC)** AS Row,

FirstName, LastName, ROUND(SalesYTD,2,1) AS "Sales YTD"

FROM Sales.vSalesPerson

WHERE TerritoryName IS NOT NULL AND SalesYTD <> 0;

Here is the result set.

Row FirstName    LastName               SalesYTD

--- -----------  ---------------------- -----------------

1   Linda        Mitchell               4251368.54

2   Jae          Pak                    4116871.22

3   Michael      Blythe                 3763178.17

4   Jillian      Carson                 3189418.36

5   Ranjit       Varkey Chudukatil      3121616.32

6   José         Saraiva                2604540.71

7   Shu          Ito                    2458535.61

8   Tsvi         Reiter                 2315185.61

9   Rachel       Valdez                 1827066.71

10  Tete         Mensa-Annan            1576562.19

11  David        Campbell               1573012.93

12  Garrett      Vargas                 1453719.46

13  Lynn         Tsoflias               1421810.92

14  Pamela       Ansman-Wolfe           1352577.13