

Logical Processing Order

- 1 FROM
- 2 ON
- 3 JOIN
- 4 WHERE
- 5 GROUP BY
- 6 WITH CUBE / WITH ROLLUP
- 7 HAVING
- 8 SELECT
- 9 DISTINCT
- 10 ORDER BY
- 11 TOP

Set Operators

A UNION B	Distinct values from table A and B
A UNION ALL B	All values from table A and B
A EXCEPT B	All rows from table A except rows in B.
A INTERSECT B	Identical rows from table A and B

SET STATISTICS ... [ON|OFF]

IO	Disk activity
TIME	Parse, compile, & exec in milliseconds.

Ex. SET STATISTICS IO ON

CONVERT(varchar, getdate(), x)

101	mm/dd/yyyy
102	yyyy.mm.dd
103	dd/mm/yyyy
104	dd.mm.yyyy
105	dd-mm-yyyy
106	dd mon yyyy
107	mon dd, yyyy
108	hh:mm:ss
110	mm-dd-yyyy
111	yyyy/mm/dd
112	yyyymmdd
114	hh:mm:ss:mmm
120	yyyy-mm-dd hh:mm:ss
126	yyyy-mm-ddThh:mm:ss.mmm

Hints

OPTION (FORCE ORDER)	Join order should be preserved in query optimizer
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Scalar functions

UCASE(str)	Converts to upper case
LCASE(str)	Converts to lower case
MID(str,start,end)	Extract characters
LEN(str)	Length of str
ROUND(value, dec.)	Round a value
NOW()	Current systemtime
FORMAT(value, format [, culture])	
RIGHT(str, num)	Extract chars from right
LEFT(str, num)	Extract chars from left

Aggregate Functions

AVG()	Average value
COUNT()	Number of rows
FIRST()	First value
LAST()	Last value
MAX()	Max. value
MIN()	Min. value
SUM()	Sum of values



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