Date Format

Changing the format of the value to another. Done with the use of FORMAT(). Also can be done by using CONVERT() and style 6 or 112.

Data Casting –

Changing of data types. Done by using CAST and CONVERT

FORMAT() –

Syntax – FORMAT(value, format, [,culture])

Example –

SELECT order\_id, order\_date, order\_time,

FORMAT(order\_date, 'MM-dd-yyyy'),

FORMAT(order\_date, 'dd-MM-yyyy'),

FORMAT(order\_date, 'dd'),

FORMAT(order\_date, 'ddd'),

FORMAT(order\_date, 'dddd'),

FORMAT(order\_date, 'MM'),

FORMAT(order\_date, 'MMM'),

FORMAT(order\_date, 'MMMM')

FROM pizza\_sales

SELECT

order\_id, order\_date, order\_time,

'Day' + FORMAT(order\_date, ' ddd MMM') +

' Q' + DATENAME(QUARTER, order\_date) + ' ' +

FORMAT(order\_date, 'yyyy hh:mm:ss tt')

FROM pizza\_sales

Data Aggregations –

SELECT

FORMAT(order\_date, 'MMM yy') Order\_Date, COUNT(\*)

FROM pizza\_sales GROUP BY FORMAT(order\_date, 'MMM yy')

CONVERT() –

Syntax – CONVERT(data\_type, value, [, style])

Example –

SELECT

CONVERT(INT, '123'),

CONVERT(DATE, '2025-08-24'),

order\_date,

CONVERT(DATE, order\_date)

FROM pizza\_sales

SELECT

order\_date,

CONVERT(DATE, order\_date),

CONVERT(VARCHAR, order\_date, 32)

FROM pizza\_sales

CAST() –

Syntax – CAST(value AS data\_type)

Example –

SELECT

CAST('123' AS INT),

CAST('123' AS VARCHAR),

CAST('2025-06-12' AS DATE),

CAST('2023-12-12' AS DATETIME)

FORMAT - Any type to only string, formats date and time and numbers

CAST - Any type to any type, no formatting

CONVERT – Any type to any type, formats only date and time