

# Microsoft SQL Server 2019

## Design & Develop



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# CASE



- CASE is an Expression

- Syntax 1:

CASE

WHEN *condition1* THEN *result1*

WHEN *condition2* THEN *result2*

...

WHEN *conditionN* THEN *resultN*

ELSE *resultElse*

END;

# CASE



- Syntax 2:  
CASE input\_expression  
    WHEN expression1 THEN result1  
    WHEN expression2 THEN result2  
    WHEN expressionN THEN resultN  
    ELSE *result*  
END

# PIVOT



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- Rotate data from a state of rows to a state of columns
  - Phases:
    - Grouping
      - Based on columns not participated in PIVOT
    - Spreading attribute IN (attr1, attr2, ...)
    - Aggregating

# UNPIVOT



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- UNION
  - CROSS JOIN
  - UNPIVOT