Our First SELECT



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Our First SELECT



Query execution order

Terminology

- Sets
- Expressions
- Operators
- Functions
- Aliases
- Data types

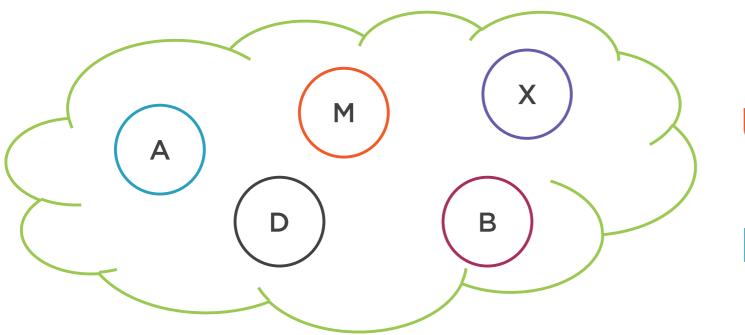
From-less SELECTs



SELECT	5
FROM	1
WHERE	2
GROUP BY	3
HAVING	4
ORDER BY	6
OFFSET - FETCH	7

- List of expressions to return
- **◄** Defines the source data set
- Row filter
- Combines rows into groups
- Group filter
- Presentation order
- **◄** Paging specification

Mathematical Sets



Unique elements

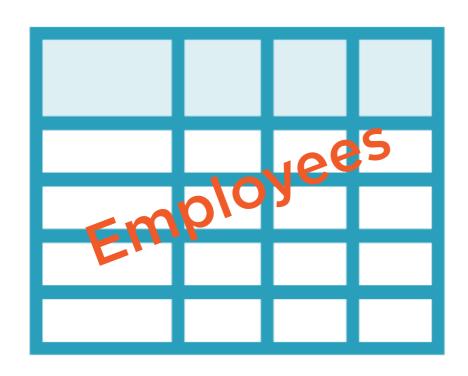
No order



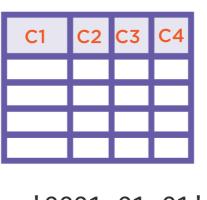
Sets in SQL

Name	Address	Phone
John 3	13 Foothill St.	508-233-4284
Jack	1 Eldorado Ave.	404-485-0029
Jill 🔘	25 Everest St.	769-244-2592

Aliasing



Data Sets



 πr^2 AS Circle-Area

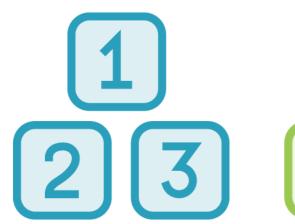
'0001-01-01' AS Anno-Domini

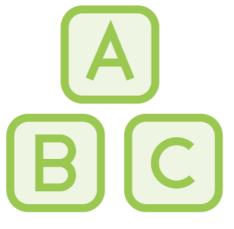
(first name + last name)
 AS Full-Name

Expressions

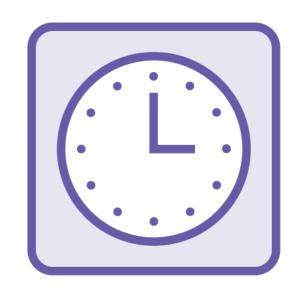


Standard SQL Data Types





001101100100101110110010



Numeric

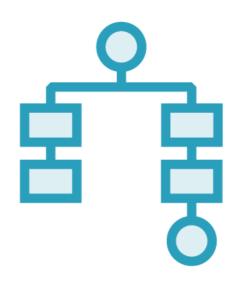
Strings

Binary

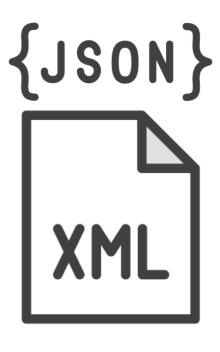
Temporal



Special Data Types in T-SQL







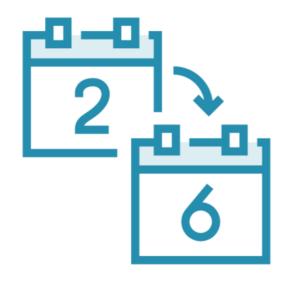
Hierarchy

Spatial

Document



Missing Data Types in T-SQL





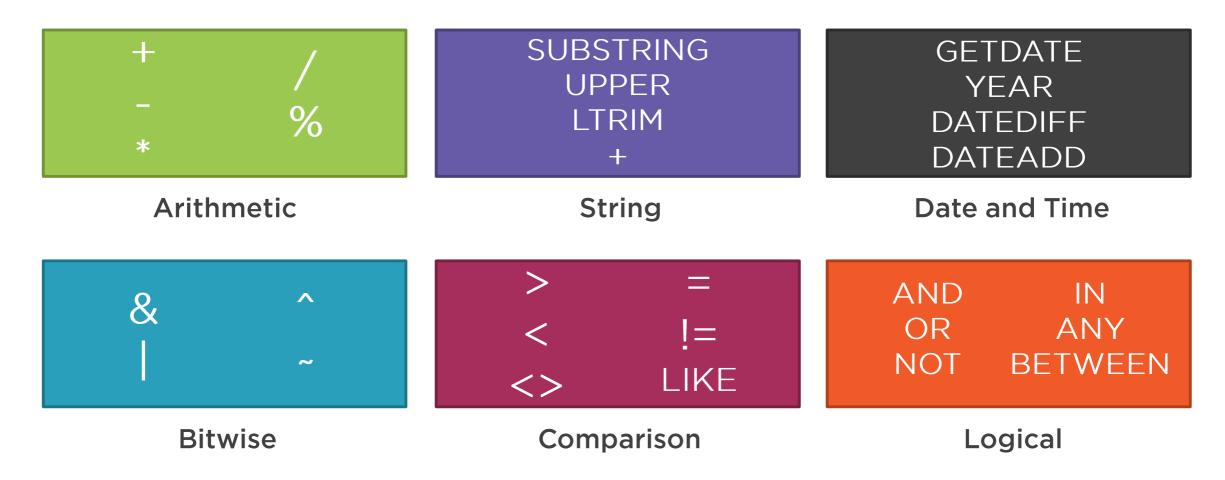




Boolean



Operators and Functions





Demo



Our first SELECT



Review



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From-less SELECTs

