Microsoft SQL Server 2019 Design & Develop



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SET



	Object	Temporary
Physical	Table	Temporary Table
		Table Variable
		Table Data Type
Virtual = Table Expression = Named Query	View	Common Table Expression (CTE)
	Inline Table Valued Function (Inline TVF)	Derived Table (Set Sub Query)

Table Expression



- All Table Expressions must have name
 - Table Expressions names must be unique
- All Columns must have name
 - Column names must be unique
- ORDER BY Clause is not acceptable
 - Unless using TOP/ OFFSET-FETCH

VIEW



- Permanent Object
- Reusable
- SELECT Statement
- Saved Query

Inline Table-Valued Function (TVF)



- Permanent Object
- Reusable
- SELECT Statement
- Saved Query
- Parameterized

Common Table Expression (CTE)



- SELECT Statement
- Temporary
 - Available to the statement that defines them
- Multiple CTE
- Multiple Reference
 - Has access to previous CTEs

Derived Table (Set Based Sub Query)



- Temporary
 - Available just for main query

- SELECT Statement
- Column Aliasing
 - Inline
 - External