



آشنایی با زبان T-SQL

بر اساس کتاب معروف

**Microsoft SQL Server T-SQL
Fundamentals
(Itzik Ben-Gan)**

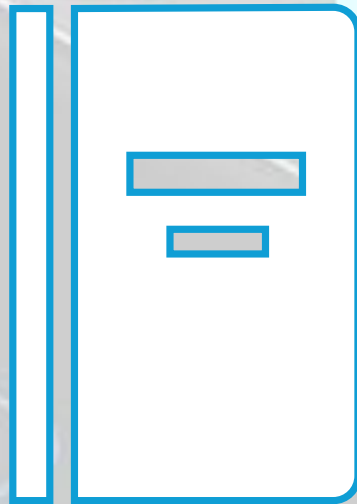


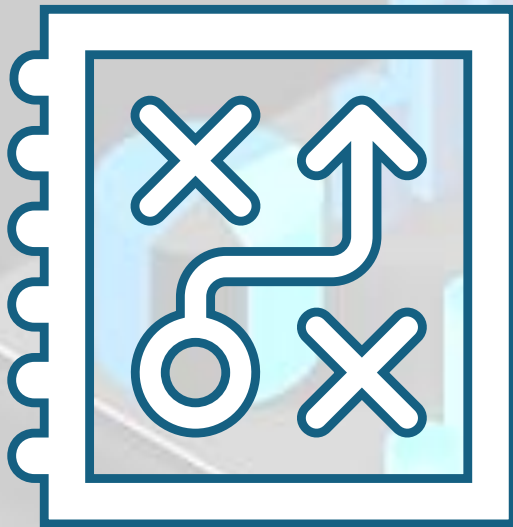
جلسہ اول :

- Unique ✓
- Foreign keys ✓
- Check ✓
- Default ✓
- Cleanup ✓
- Creating Tables ✓
- Primary key ✓

جلسہ دوم :

- Select ✓
- From ✓
- where ✓
- Offset and Top ✓
- Distinct ✓
- Aggregate Function ✓
- Predicates and Operators ✓
- Case Expression(Simple, Search, in order by) ✓
- Nulls ✓
- Collation ✓
- Operator and Function ✓
- Group by ✓
- Having ✓
- Order by ✓
- Date and Time Function ✓
- Querying Metadata ✓





جائے سو :
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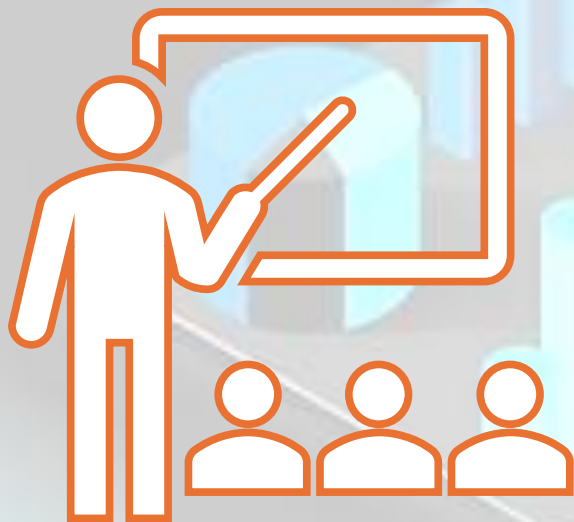
- CROSS Joins ✓
- Self Cross-Join ✓
- INNER Joins ✓
- Left join ✓
- Right Join ✓
- Full Join ✓
- Composite Joins ✓
- Non-Equi Joins ✓
- Multi-Join Queries ✓
- Outer join ✓

جائے پو، :
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- Scalar Subqueries ✓
- Multi-Valued Subqueries ✓
- Correlated Subqueries ✓
- EXISTS ✓
- Returning "Previous" or "Next" Value ✓
- Running Aggregates ✓
- In and Not In ✓
- Some, Any, All ✓

جائے پو، :
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- Derived Tables ✓
- Assigning Column Aliases ✓
- Using Arguments ✓
- Nesting ✓
- Multiple References ✓
- Common Table Expressions ✓
- Recursive CTEs (Optional, Advanced) ✓
- Views ✓
- View Options ✓
- Inline User Defined Functions ✓
- APPLY ✓



بلس ششہ :

- The UNION Operator ✓
- The INTERSECT Operator ✓
- The EXCEPT Operator ✓
- In Set Operator Precedence ✓
- Union All VS Union ✓

بلس پچیسہ :

- Window Functions ✓
- Ranking Window Functions ✓
- Offset Window Functions ✓
- Aggregate Window Functions ✓
- Pivoting Data ✓
- Unpivoting Data ✓
- Grouping Sets ✓
- CUBE Subclause ✓
- ROLLUP Subclause ✓
- GROUPING and GROUPING_ID Function ✓

بلس ہشتہ :

- INSERT SELECT ✓
- INSERT EXEC ✓
- SELECT INTO ✓
- BULK INSERT ✓
- IDENTITY ✓
- Sequence Object ✓
- Deleting Data ✓
- TRUNCATE ✓
- DELETE Based on Join ✓
- Updating Data ✓
- UPDATE Based on Join ✓
- Merging Data ✓
- OUTPUT ✓



جسٹس : ۛۛۛ

Temporal Table ✓

Json Query ✓

جسٹس : ۛۛۛ

Transactions ✓

Locks and Blocking ✓

Isolation Levels ✓

Deadlocks ✓

جسٹس : ۛۛۛ

Variables ✓

Batches ✓

Flow Elements ✓

Cursors ✓

Temporary Tables ✓

Dynamic SQL ✓

User Defined Functions ✓

Stored Procedures ✓

Triggers ✓

Error Handling ✓