

- Creating data bases
- Data types in sql
- Creating tables
- Reading data from tables
- Modifying data present in tables
- Table designing
- Constraints (Primary key, unique, check etc...)
- Normalization and Foreign key constraints
- Types of sql statements
- Select statement and where clause.
- Tables and columns aliasing
- Distinct , top , where , in , not in , and , or , between , not between , null and not null keywords
- Pattern matching using wild card characters
- Identity columns
- Drop delete and truncate statements
- Copying data from one table into another table
- Sql programming (variable declaration, conditional statement's, while loop etc..)
- Temporary tables and table variables
- Built in functions
- String functions
- Aggregate functions
- Date time functions
- Miscellaneous functions
- Cast and Convert functions
- Group by and having clauses
- Sub queries (co-related and non-correlated sub queries)
- Joins
- Inner joins
- Outer joins
- Self joins
- Other types of joins
- Query execution plan and performance tuning
- Stored procedures
- Exception handling
- User defined functions
- Views
- Transactions
- Indexes
- Triggers
- Union and union all statements.