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Microsoft®
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Quick Contact

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SQL Server database Overview

- RDBMS Overview and types
- Features

Installations and configuration of SQL server

- System Requirements
- Editions in sql server
- Installing the sql server
- Upgrading the latest versions
- Verifying the installation

User logins and schema

- Introduction to schema
- Logins types

Introduction to Data Definition Language(DDL)

- CREATE statement
- AlTER statement
- DROP statement

Introduction to Data Definition Language(DML)

- INSERT statement
- UPDATE statement
- DELETE statement
- MERGE Statement

SQL Functions

- SQL Functions overview

- Character functions

- Non-Character functions

Joins

- Overview

- Equijoins

- Inner Joins

- Outer Joins

- Cross Joins

Triggers

- DDL Triggers

- DML Triggers

- Logon Triggers

Statements in SQL query

- Operators

- Aggregates

- Where

- Group by

- Having

- Distinct, Top

Stored procedure in SQL

- Functions in SQL

- Ranking Functions

- Scalar Functions

- Date functions

- User Defined Functions

Advanced Concepts

- Case Statement

- Exception handling

- Temp tables

- Table Variables

- Usage of While loop & if conditions

- Transactions

- Sub Queries

- Views

- CTE

- Cursor

Assessments

- **Objective Assessments**
    - -- Syntactical based
    - -- Scenario based

  Note: At least 2 objective based assessments in each module

- **Hands On – Practical Assessments**
    - -- Scenario based

  Note: At least 2 Hands on assessments in each module

Assignments

- **Hands On – Practical Assignments**

  Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- **Regular tasks on each module**

  Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- **Work on one or two mini projects**
- **Discuss and convert the current working project into SQL project to add in resume & to explain SQL experience in interviews**