

## DATABASE FUNDAMENTALS



#### Introduction

What is RDBMS?
What is Relational
Database?
Normalization
Demoralization



### Types of SQL Commands

Data Definition Language
Data Manipulation
Language
Data Query Language
Data Control Language



## Basic Queries

Introduction to SQL Data Type Basic Queries Complex Queries Sub Queries



#### Functions

Numeric functions
Characters
functions
Date Functions
Conversion
functions
Aggregate
Functions



## Set Operators

Union Intersect Minus



#### Index

Importance of Index Clustered Index Non Clustered Index Using Indexes



#### Views

Purpose of View Simple and complex Views Encryption and Schema Binding Options



## Joins

Equi-Join Natural Join Non-Equi Join Self-Join Outer Join Left Outer Join Right Outer Join Full Outer Join Cross Join



# SQL Programming and Stored Subprograms

Stored Procedures User Defined Functions Triggers



## Security

User Creation
Granting Permissions
Revoking Permissions