

## **Introduction to ETL Testing**

### **Data Warehousing Concepts**

- Datawarehouse
- Datamart
- DW Schemas
- Star Schema
- Snow Flake Schema
- Datawarehouse architecture
- Objects in DWH
- Dimension table
- Fact table
- SCD(SLOWLY CHANGING DIMENSIONS)
- SCD TYPE 1
- SCD TYPE 2
- SCD TYPE 3

### **SQL (Structured Query Language)**

- DDL (Data definition language)
- DML (Data manipulation language)
- DQL (Data query language)
- Operators in SQL
  - Arithmetic operators
  - Comparison operators
  - Logical operators
- Aggregate Functions
- Rank Functions
- Set Operators
- Joins
- Views
- Having Clause
- Wildcard Operators
- SQL - Date Functions
- Handling Duplicates
- Sub Queries

### **ETL Testing validations**

- Structure validation
- Count validation
- TRANSFORMATION Logic Check
- Data validation
- MINUS Query
- Duplicate Check
- Error logic Check
- RI Validation( Referential integrity constraint check)
- Scenario testing
- Derived checks

- Default values check
- Data Integrity check

Challenges in ETL Testing compare to other testing

ETL Test scripts preparation

Informatica concepts for interview purpose

Resume preparation

Unix Basics