

## ETL TESTING

### Data Warehousing Concepts:

- What is Data ware House?
- Data warehouse Architecture
- Characteristics of Data warehouse
- What is OLTP & OLAP
- Different between OLTP&OLAP

### Data Acquisition

- Data Extraction, Data Transformation, Data Loading

### Data Marts

- What is Data Mart?
- How it is different from a Data warehouse
- Types of Data Mart

### Data Base Design

- Star Schema
- Snow Flake Schema
- Fact constellation Schema

### SCD (slowly changing dimension)

- What is SCD
- Type-1 SCD
- Type-2SCD
- Type-3SCD

### Basic Concepts in SQL

- Overview of ETL Tool Architecture
- White Box and Black BOX Testing  
Functionality on Different Transformation

### Difference between Database and Data warehouse Testing

### Data Ware House Testing Life Cycle

### Different Types of Testing Techniques in ETL

- Unit testing, Integration testing
- System testing, Regression testing
- Acceptance testing, Performance testing

### ETL Testing Concepts

#### Introduction

- What is Extraction
- How to do extraction from different sources
- How to transform the data according to business rules
- How to load the data in target database
- What is use of testing
- What is quality & standard
- Responsibility of a ETL Tester

#### ETL Test Plan Preparation

- How to Prepare ETL Test Plan
- Preparation of test plan Format
- ETL testing plan

#### Test Execution Process

- ETL test case Format & test case Execution

#### ETP Process Steps

- Define Requirement
- Create Physical Design
- Walkthrough ETL process
- Coordinate move to QA
- Test process
- User validates Data

#### Bug Tracking

- ETL bug Reporting and Tracking
- Bug format and test results

#### ETL Testing Types

- Database testing
- Batch job testing inbound & outbound
- Data Migration testing
- Report testing

#### ETL Testing Challenges

#### List of ETL tools

#### Report Testing

#### Software development life cycle

- Waterfall, Spiral, Prototype, RAD, Iterative and incremental and Agile

## After the Course

1. Resume Preparation
2. Guidance to apply jobs
3. Written Test
4. Mock Interviews
5. Placement Assistance till you find a Job