

Data Warehousing & ETL Testing Course

Course Duration : 40 Hours

Course code : DWH-ETL-941

1. Course Overview

The Data Warehousing & ETL Testing Course is designed to provide a comprehensive understanding of data warehouse concepts and ETL (Extract, Transform, Load) testing processes. This course focuses on ensuring data accuracy, consistency, and reliability in large-scale data systems.

2. What you'll learn?

- Fundamentals of data warehousing
- ETL process and data flow
- Data validation and testing techniques
- Data quality and integrity checks
- SQL for data testing
- Reporting and defect management

3. Target Audience

- Fundamentals of data warehousing
- ETL process and data flow
- Data validation and testing techniques
- Data quality and integrity checks
- SQL for data testing
- Reporting and defect management

4. Pre-Requisites

- Basic knowledge of databases
- Understanding of SQL (recommended)
- Familiarity with data concepts
- Interest in data testing

5. Course Content (Modules)

Module 1: Introduction to Data Warehousing

- Data warehouse concepts
- OLTP vs OLAP
- Data architecture basics

Module 2: ETL Process & Concepts

- Extract, Transform, Load process
- Data sources and targets
- ETL workflows

Module 3: ETL Testing Techniques

- Data validation methods
- Data quality checks
- Test case design

Module 4: SQL & Data Validation

- SQL queries for testing
- Data comparison techniques
- Error handling

Module 5: Reporting & Best Practices

- Defect tracking
- Test reporting