



LiveTech

Since 2004



ETL TESTING

using Python



Best I.T Training and Placement Institute



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About LiveTech

LiveTech was founded in 2004 by IT industry professionals to impart quality training and carve a niche in the IT training industry. LiveTech has successfully skilled 100000+ professionals in Software Testing and Development Domain. LiveTech is involved in training on Software Courses for over 21+ years. LiveTech is a leader in creating not only skilled professionals but also enhance their Employability through real time project implementation Training in Software Testing and Development. The programs are designed by Industry experts and backed by certifications recognized globally in I.T Solutions.

ETL TESTING CONTENT

- Module 1 : Dataware house**
- Module 2 : Informatica Tool**
- Module 3 : MYSQL DB**
- Module 4 : Relational Database Concepts**
- Module 5 : Dev/Testing Process**

Module 1 : SQL TESTING

SQL Testing Syllabus:

- Importance of SQL testing
- Different types of SQL testing
- SQL testing challenges and best practices
- Tools for SQL testing

SQL Syntax and Querying

- Importance of SQL Syntax and Querying
- Basic SQL queries (SELECT, INSERT, UPDATE, DELETE)
- Complex SQL queries (subqueries, joins, aggregates,

groupby, order by)

- Testing SQL queries using different test scenarios

Testing Data Integrity and Quality

- Understanding Data Integrity and Quality
- Types of data constraints (primary key, foreign key, unique, check)

- Testing data integrity and quality using sample data

- Validating data using SQL queries

- Data proFiling and analysis using SQL

Testing performance & Scalability

- Understanding query performance & scalability
- Indexing and Query optimization techniques
- Testing SQL queries against large datasets

- Identifying SQL performance issues & tuning queries

- Load testing SQL databases and monitoring performance metrics

Testing Security and Access Control

- Understanding SQL Security & Access control
- Types of SQL injection attacks & prevention techniques

- Testing SQL database security using different test scenarios

- User access control testing using SQL queries

- Editing SQL databases for security and compliance

Module 2 : ETL Testing Syllabus:

Introduction to ETL Testing

- Understanding ETL concepts & Architecture

- Importance of ETL Testing

- ETL Testing challenges and best practices

- Tools for ETL Testing

DataMapping and Transformation

- Understanding DataMapping & Transformation

- Different types of data transformations (aggregate, join, filter,etc.)

- Testing data transformation rules using sample data

- Validating transformed data using SQL queries

Data validation and Reconciliation

- Understanding Data validation & Reconciliation

- Source to Target Data comparison using SQL queries

- Data quality and completeness testing using SQL queries

- Business rules validation using SQL queries

- Data profiling and analysis using SQL's

Error Handling & Exception Reporting

- Understanding Error Handling ETL

- Exception Reporting techniques

- Identifying & resolving errors in ETL process

- Impact Analysis of Errors on ETL processes

Performance and Scalability Testing

- Understanding ETL performance Testing

- Identifying ETL performance issues & tuning ETL processes

- Testing eTL processes against large datasets

- Load testing ETL processes & monitoring performance metrics

Metadata Testing

- Understanding metadata in ETL processes

- Testing Metadata for completeness & accuracy

- Identifying and resolving metadata issues in ETL processes

- Metadata management & documentation

Performance and Scalability Testing

- .Understanding ETL performance Testing
- .Identifying ETL performance issues and tuning ETL processes
- .Testing eTL processes against large datasets
- .Load testing ETL processes and monitoring performance metrics

Metadata Testing

- .Understanding metadata in ETL processes
- .Testing Metadata for completeness and accuracy
- .Identifying and resolving metadata issues in ETL processes
- .Metadata management and documentation

Faculty :

Date :

Time :

Duration :













































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DJANGO & Frameworks

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Selenium with C#
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Playwright Automation
-  **Python with Selenium**
Python with Selenium

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