

Highlights

- Data warehousing Overview
- ETL dev tools overview
- Reporting tools overview
- DATABASE tools overview
- ETL testing overview

Data warehousing Overview

- ✓ Data warehousing Concepts
- ✓ Introduction to Data Warehousing
- ✓ Architecture of Data Warehousing
 - What is Data Ware House?
 - Difference between OLTP and OLAP

Data Acquisition

- ✓ Data Extraction
- ✓ Data Transformation
- ✓ Data loading
- ✓ Data mart/ Data Warehouse

DataBase Design

- ✓ Data Modeling
- ✓ What is Fact table, Dimension table, etc
- ✓ Star Schema
- ✓ Snow Flake Scheme

SCD (slowly changing dimension)

- ✓ Type -1 SCD

- ✓ Type- 2 SCD
- ✓ Type-3 SCD

ETL Testing with Informatic PowerCentre

- ✓ SAMPLE Loading from source to target
- ✓ SORTER Transformation
- ✓ FILTER Transformation
- ✓ ROUTER Transformation
- ✓ EXPRESSION Transformation
- ✓ JOINER Transformation
- ✓ UNION Transformation
- ✓ AGGREGATOR Transformation
- ✓ RANK Transformation
- ✓ Flat File
- ✓ Look up Transformation
- ✓ Update Strategy
- ✓ XML Source Qualifier
- ✓ Types of load (Full, incremental, Refresh)

BI Testing with TABLEAU (Reporting tool)

- ✓ Introduction to Report Testing
- ✓ Types of Reports
- ✓ GUI Validation for Reports

DATABASE Tools Overview

- ✓ Introduction to data base management
- ✓ Oracle, Teradata, Hadoop (Bigdata)
- ✓ Architecture of Data Bases
- ✓ Advantages of RDBMS and HADOOP
- ✓ SQL in rdms database

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Introducing Big Data (HADOOP)

- ✓ Apache Hive
- ✓ Hadoop distributed file systems (HDFS)
- ✓ Apache Pig
- ✓ Hbase
- ✓ Sqoop

- ✓ Challenges in ETL Testing
- ✓ How to detect bugs through queries

FAQs, RESUME PREPARATION, INTERVIEW ORIENTATION

SQL

- ✓ SQL fundamentals
- ✓ DDL Statements
- ✓ DML Statements
- ✓ Logical operations
- ✓ Arithmetic Operations
- ✓ Group & Aggregation functions
- ✓ String functions
- ✓ Set Operations (Union, Intersection, Minus)
- ✓ Inner Join
- ✓ Self Join
- ✓ Outer Join
- ✓ Cross Join

ETL Testing Overview

- ✓ Importance of ETL Testing
- ✓ Responsibilities of ETL Tester
- ✓ Different approaches for ETL Testing
- ✓ ETL testing workflow process
- ✓ How to prepare queries using Transformation rules
- ✓ How to prepare ETL Test Plan
- ✓ Different types of ETL Testing methods
- ✓ How to prepare check list
- ✓ How to design Test case static/ dynamic
- ✓ How to prepare Test data for test cases
- ✓ How to execute ETL Test cases with sql
- ✓ Defect Tracking and Reporting
- ✓ Types of defect in ETL Testing

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