

## **ETL TESTING**

### **What is Data Warehousing?**

### **Differences between OLTP and Data Warehousing**

#### **DATA ACQUISITION**

- DATA EXTRACTION
- DATA TRANSFORMATION
- DATA LOADING

#### **Data Marts**

- Dependent DM
- Independent DM

#### **Database Design**

- Star Schema
- Snowflake Schema
- Fact Constellation Schema

#### **SCD (Slowly changing Dimensions)**

- TYPE1 SCD
- TYPE2 SCD
- TYPE3 SCD

### **Basic concepts in SQL**

### **Overview of ETL Tool Architecture**

### **Components in ETL Tool**

#### **White Box and Block Box testing functionality in different transformation rules:**

- SAMPLE Loading from source to target
- SORTER Transformation
- FILTER Transformation
- ROUTER Transformation
- EXPRESSION Transformation
- JOINER Transformation
- UNION Transformation
- AGGREGATOR Transformation
- RANK Transformation
- STORED PROCEDURE Transformation
- SEQUENCE GENERATOR Transformation
- Flat File
- SQL Transformation

### **Data Warehousing Life Cycle**

#### **Different types of testing techniques in ETL**

- MINUS Query
- COUNT Query