What we learn :

* Understand the concepts of Business Intelligence Data warehousing
* Get to know what is ETL Testing, QA Lifecycle and RDBMS Concepts
* Gain an in-depth understanding of Data Warehouse WorkFlow and comparison between Database Testing and Data Warehouse Testing
* Understand different ETL Testing scenarios like Constraint Testing, Source to Target Testing, Business Rules Testing, Negative Scenarios, Dependency Testing
* Perform data Checks using SQL and understand the scope of BI Testing

Points to learn :

requirement gathering, gap analysis, database design, data integration, data modeling, enterprise reporting, data analytics, data quality, data visualization, OLAP.

various ETL tools like Informatica Powercenter, SSIS, ODI and IDQ, Data Virtualization, DVO, MDM.

ETL stands for extract, transform, and load. It’s a three-step data integration process used to by organizations to combine and synthesize raw data from multiple data sources into target system (data warehouse, data lake, data store, relational database or any other application)

Extract :  Data is collected from one or more data sources and held in temporary storage, During extraction, validation rules are applied to test whether data conforms to its destination’s requirements. Data that fails validation is rejected and doesn’t continue to the next steps of ETL.

### Transform

The goal of transformation is to make all data fit within a uniform schema before it moves on to the last step of ETL. Typical transformations include formatting dates, resorting rows or columns of data, joining data from two values into one, or, conversely, splitting data from one value into two.

### Load

Finally, the load phase moves the transformed data into a permanent, target database, data warehouse, data store, or data lake — on-premises or in the cloud