

## Assignment: 8

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Following is the summary of the provided video

### ① Data Warehousing Introduction:

- Data warehouse is compared to warehouse of stocks
- It strategically maintain data from various sources for analytical purposes
- Online Analytical processing (OLAP) involve analytical queries on data

### ② Operational Data Characteristics

- Operational data is used for daily transaction
- It include critical information like account numbers and balance
- Data normalization is essential to prevent redundancy and anomalies

### ③ Data updates and Analytical queries

- Data updates are infrequent in data warehousing
- Analytical queries focus on aggregation and global relevance
- Examples of transactional and historical data and queries are provided in video

### ④ Financial viability and Data warehousing

- Data warehousing is crucial for handling historical data
- It support OLAP for aggregation and reports

### ⑤ Data cleaning Techniques

- Techniques like hashing, sorted neighborhood, and graph based transitive closure are explained in video

### ⑥ Graph based transitive closure

- Graph-based transitive closure effectively identifies duplicates
- It leverages the transitive relationship principle

### ⑦ Data Extraction, Transformation and loading (ETL)

- In this video various stages and tools involved in ETL are discussed