# Database Design

Primary Keys?

Foreign Keys?

Few records in Tables

Many records in tables

Logical DB Design

Too many joins

Too many Tables

Frequency of usage data

Long access Time.

Anomaly Problems?

**Anomaly**

**An error or inconsistency that could arise when a record is updated, deleted, or added.**

**There are three types of anomalies:**

1. **Insertion anomaly**
2. **Deletion Anomaly**
3. **Updating anomaly**