

Introduction

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Data Base

Designing of Forms

Reports creation

Relationships.

1.Forms: They allow users to interact with and input data into a database.

2.Reports: They present structured data for easy understanding and analysis.

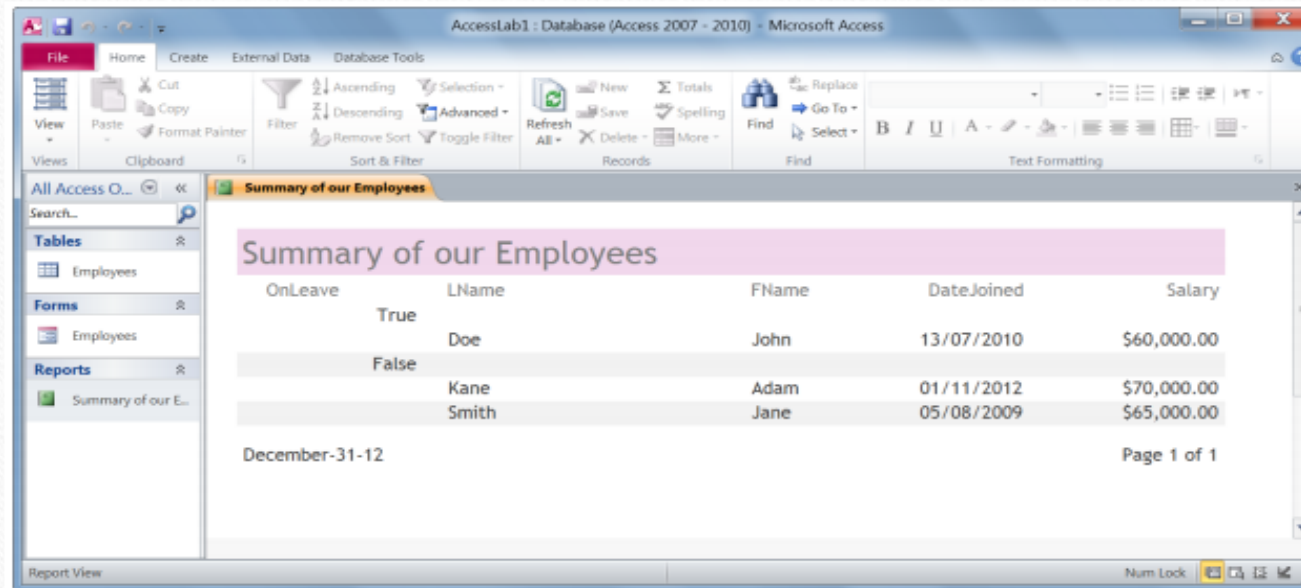
3.Table Relationships: These ensure data integrity and connections within the database.

Forms

▶	First_name	Syed
	Last_name	Yousaf
	Date_birth	30-Jul-02
	Gender	M
	Email	fa21@ciit-attock.edu.pk

Reports

- Reports provide you with a read-only, printable view of tables



Relationships

- Tables are related by relationships in order to minimize data redundancy
- Table relationships link the two, so you can easily see which student is enrolled in which course without repeating the information
- Making the database efficient and accurate.

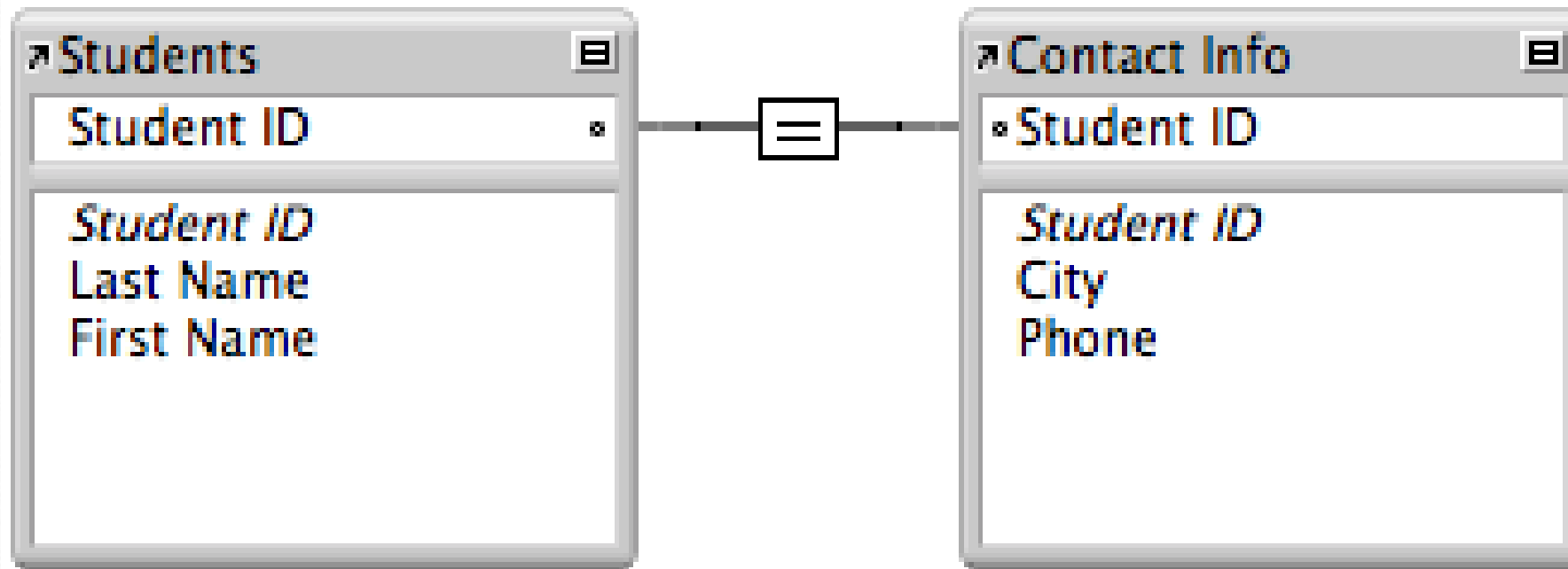
Types Of Relationship

- One-to-one relationship
- One-to-many relationship
- Many-to-many relationship

One-to-one relationship

- That for each record in one table, there is only one related record in another table
- like having a pair of tables where each row in one table corresponds to a single, unique row in the other table
- This type of relationship is often used to break down large tables into smaller, more manageable pieces

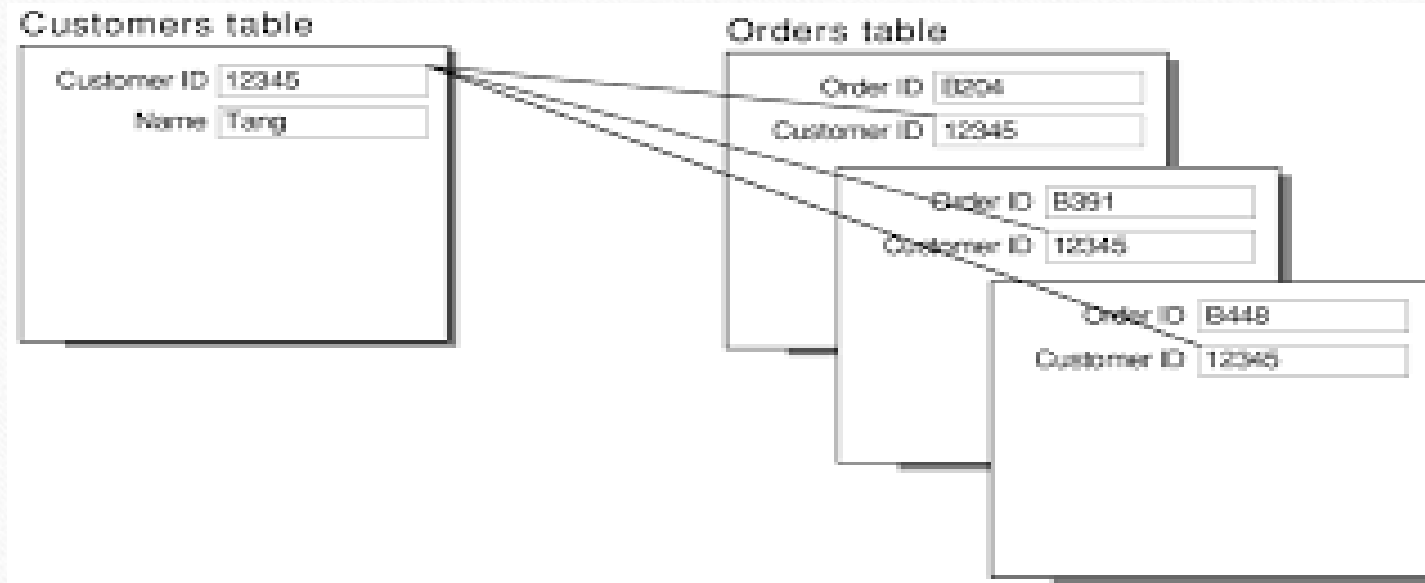
Example



One-to-many relationship

- when one row in table A is linked to many rows in table B, but only one row in table B is linked to one row in table A.
- one-to-many relationship is a fundamental concept in relational databases where one entity's record can relate to multiple records in another entity, typically achieved through foreign keys.

Example



Many-to-many relationship

- when a parent row in one table contains several child rows in the second table.
- when multiple records in one table are associated with multiple records in another table.

Example

