



Entity and Attributes

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Introduction

Entity?

Entity type?

- **tangible** entity and **intangible** entity


Roll No.	Name	Course	
CS08	Steive	Comp. Sci.	→ Entity 1
EE54	Jhoson	Electronics	→ Entity 2
B12	Eva	Biology	→ Entity 3
F32	Jhoson	Finance	→ Entity 4
M26	Erica	Maths	→ Entity 5

Student Table

A person, organization, object type, or concept about which information is stored. Describes the type of the information that is being mastered. An entity type typically corresponds to one or several related tables in database.

Attributes?

Entities are **represented by means of their properties**, called attributes.



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Student Table

Entity VS Attribute



- An **entity** is a distinguishable real-world object that exists, whereas **attribute** describes the elementary features of an entity.
- Entities - **record** and attributes - **fields**.
- In the relational database model, we store data in the **tables**. So, the **rows- entities** and the **column** header of the table-**attributes** of an entities.
- An entity can either be a **tangible** entity or an **intangible** entity.
- The entities sharing the same elementary properties (attributes) are grouped in **one entity set**. The set of attributes that can distinguish an entity in a table is grouped to form a **key**.



Relationships

Types

- One-to_one

Students table

Student ID	12345
Last Name	Tang
First Name	Sophie

Contact Info table

Student ID	12345
City	New York
Phone	408-555-3456



One-to-many

Customers table

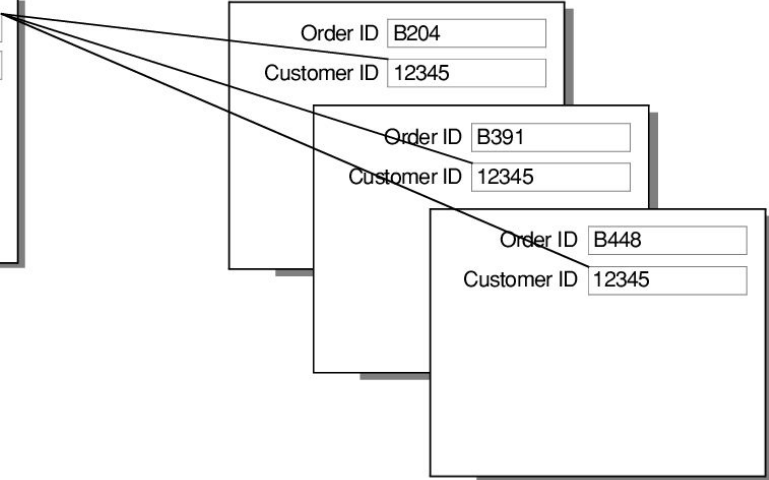
Customer ID	12345
Name	Tang

Orders table

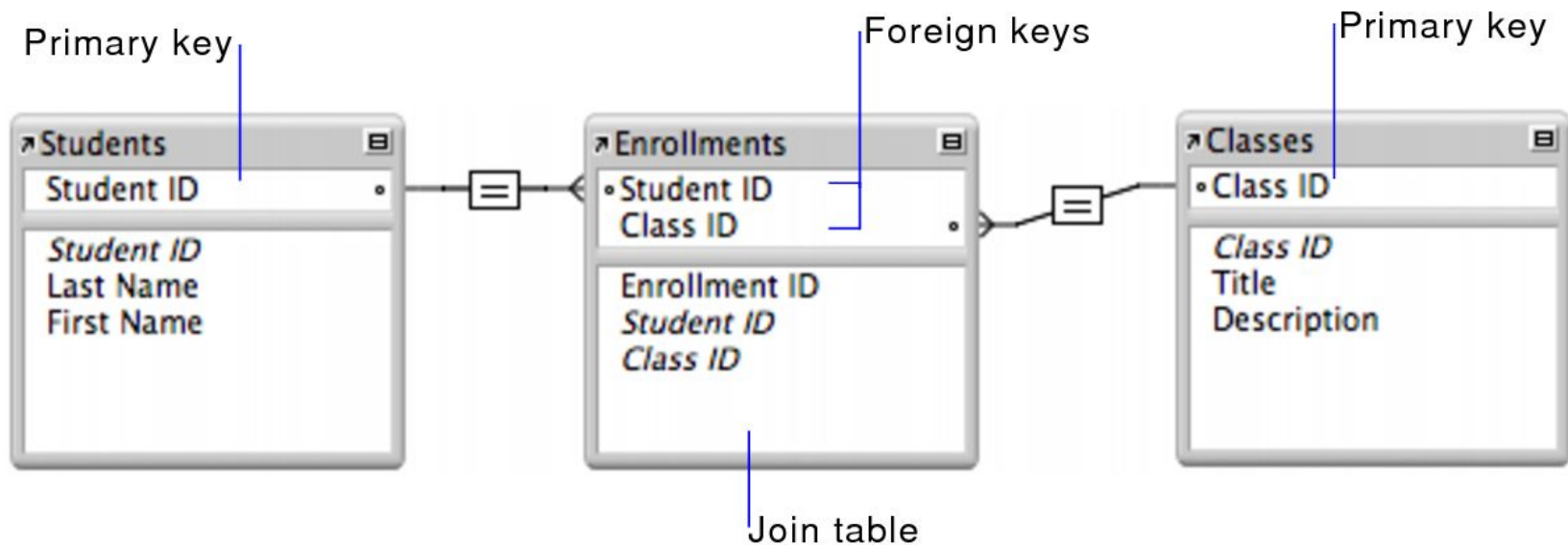
Order ID	B204
Customer ID	12345

Order ID	B391
Customer ID	12345

Order ID	B448
Customer ID	12345



Many-to-many





THANK YOU