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Mohammed Abu-Hadhoud

MSA, PMOC, PMP®, PRINCE®, PSE-ITSP®, CS, ITIL®, MCP®, MCSD



لا تنسى الاشتراك في قناتنا على اليوتيوب ومشاركة القناة مع اصدقائك
لتعم الفائدة للجميع وانقاذ الاف الناس من التشتت جزاكم الله خيرا

لا تنسونا من دعائكم وادعو لوالدي بالرحمة

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مهم جداً

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20% مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

يجب عليك مشاهدة فيديو الدرس كاملا

لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع
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Database Level 1 SQL (Concepts & Practice)

Relationships



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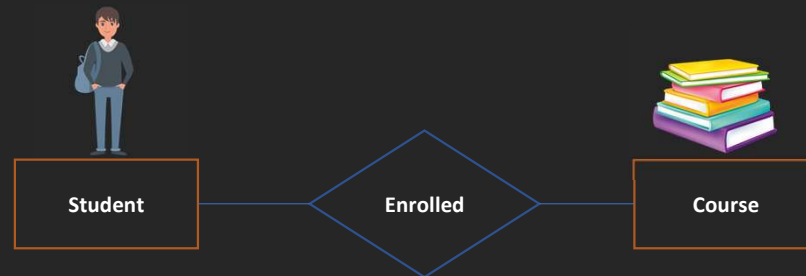
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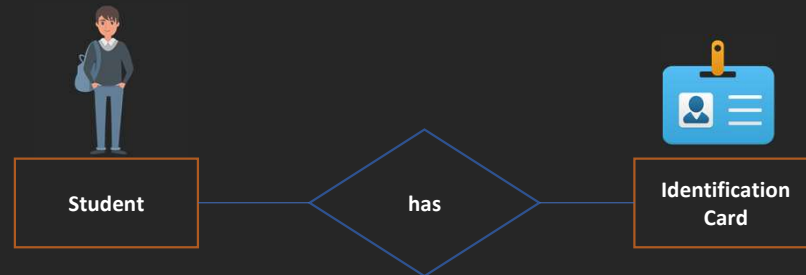
Relationship

- The diamond shape showcases a relationship in the ER diagram.
- It depicts the relationship between two entities.
- In the example below, both the student and the course are entities, and Enrolled is the relationship between them.



Relationship

- In the example below, both the student and the Identification-Card are entities, and “has” is the relationship between them.



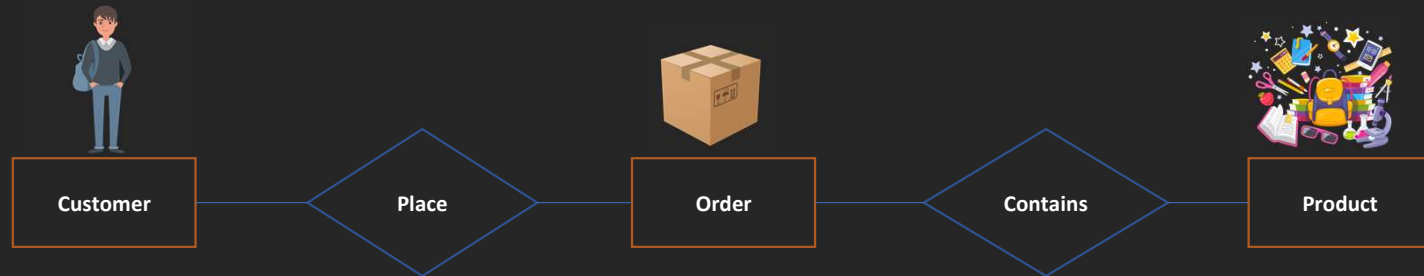
Relationship

- In the example below, both the customer and the order are entities, and “Place” is the relationship between them.



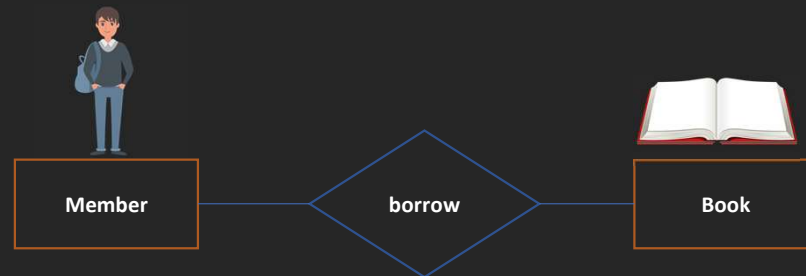
Relationship

- In the example below, both the customer and the order are entities, and “Place” is the relationship between them.
- Order can have more than one product.



Relationship

- In the example below, both the Member and the Book are entities, and “borrow” is the relationship between them.



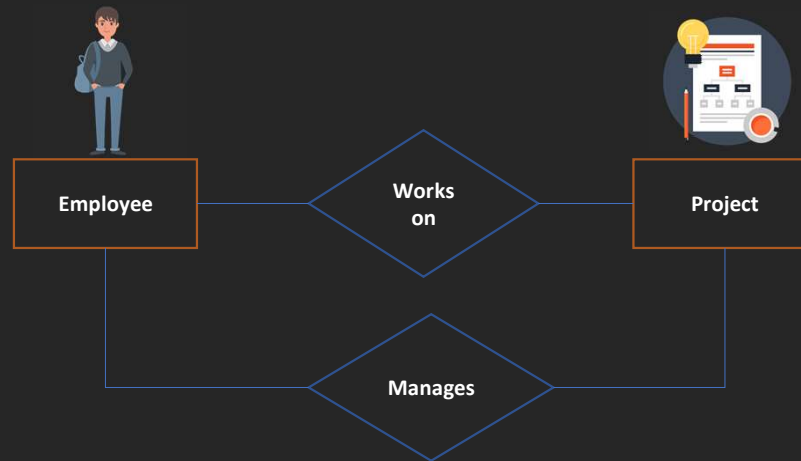
Relationship

- In the example below, both the Customer and the Car are entities, and “Rent” is the relationship between them.



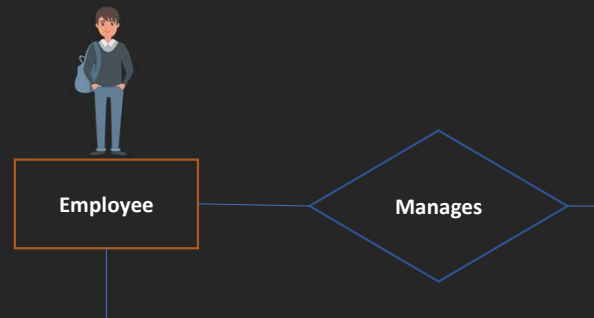
Relationship

- In the example below, both the Employee and the Project are entities, and “Works on” is the relationship between them.
- Also Employee manages projects.



Self Referencing Relationship

- In the example below, an employee has only one manager and manager is employee.
- It depicts the relationship between one entity.
- When an element of an entity is associated with a an element of same entity, it is called self relationship.



Employees

ID (PK)	Name	Salary	ManagerID (FK)
1	Ahmed	5000	Null
2	Amjad	1500	1
3	Maher	1300	2
4	Alia	500	2

Relationship Types

- One-to-One Relationship.
- One-to-Many Relationship.
- Many-to-One Relationship.
- Many-to-Many Relationship.



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Thank You

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