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Database Level 1
SQL (Concepts & Practice)

Entity Vs Week Entity

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Entities

- Entity (Strong Entity).
- Weak Entity.

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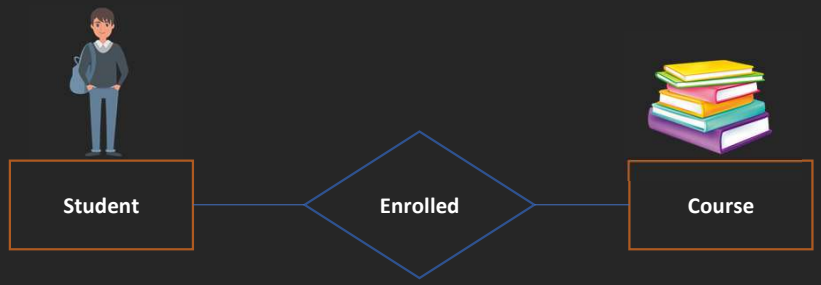
Entities(Strong Entities)

- An entity can be either a living or non-living component.
- It showcases an entity as a rectangle in an ER diagram.
- Each Entity has a primary key
- For example, in a student study course, both the student and the course are entities.



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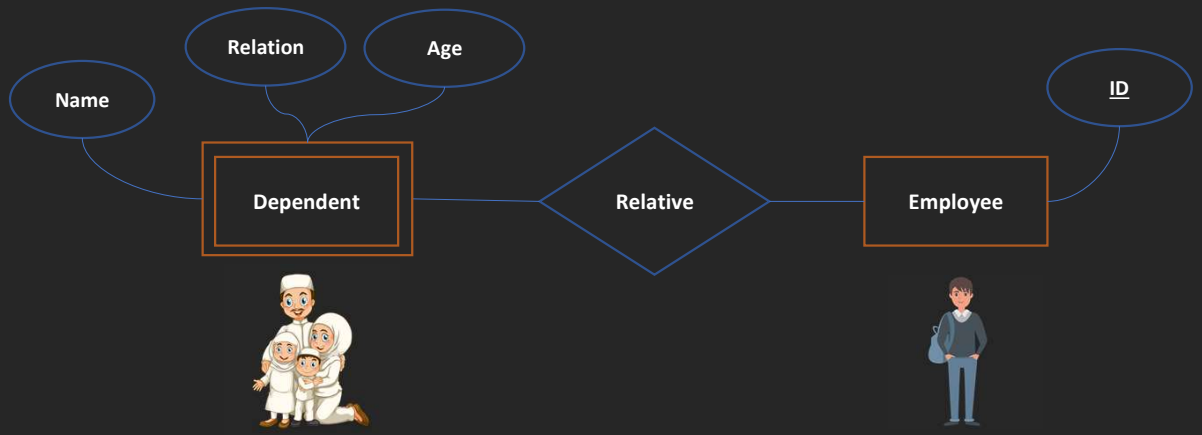
Weak Entities

- An entity that makes reliance over another entity is called a weak entity
- You showcase the weak entity as a double rectangle in ER Diagram.
- Weak Entity has no primary key.
- In the example below, Employee is a strong entity because it has a primary key attribute – ID. Unlike Dependent, the dependent is a weak entity because it does not have any primary key and the name here acts only as a discriminator.



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