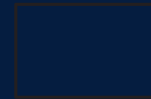# ER MODEL IN DBMS

## Relationship in ER Model

**Relationship in ER MODEL is the connection between entities (tables) based on related data.**

# ER MODEL IN DBMS

## Types of Relationship
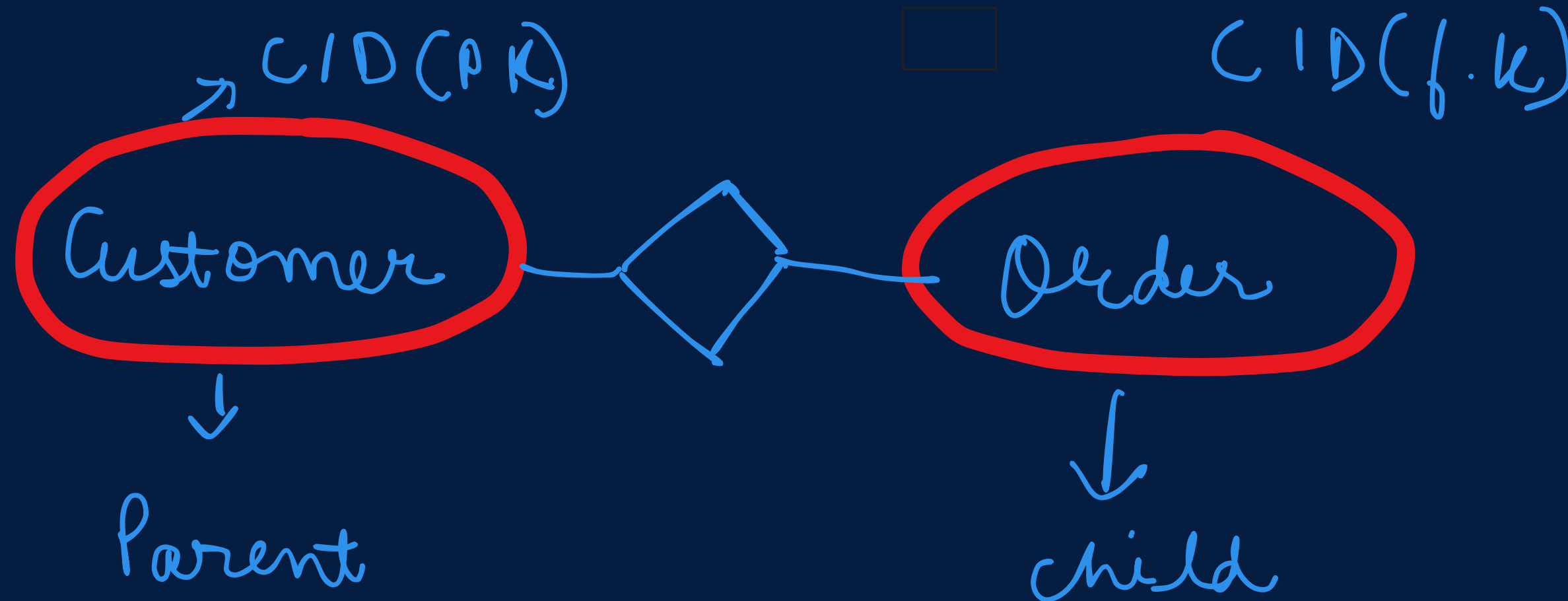
Strong Relationship

Weak Relationship

# ER MODEL IN DBMS

## Strong Relationship

A strong relationship exists when two entities are highly dependent on each other, and one entity cannot exist without the other.
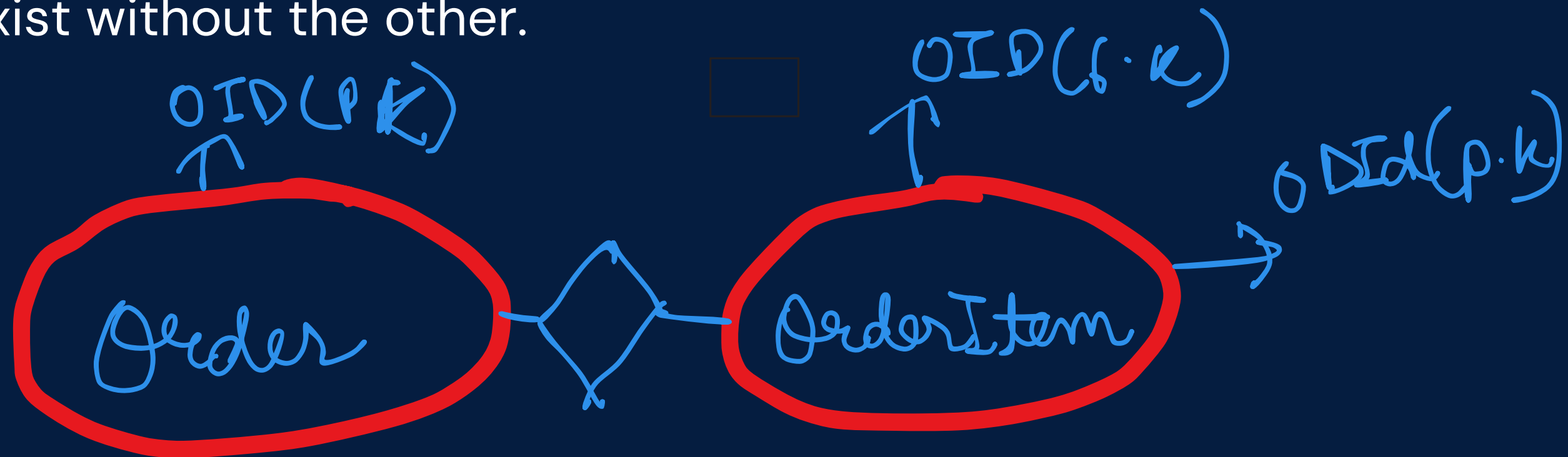
Ex-

# ER MODEL IN DBMS

## Weak Relationship

A weak relationship, on the other hand, exists when two entities are related, but one entity can exist without the other.

Ex–

# ER MODEL IN DBMS

## Degree in DBMS

A degree in dbms refers to the number of attributes / columns that a relation/table has.

# ER MODEL IN DBMS

## Types of Degree

| Degree | Name | Defination |
|--------|------|------------|
| 1 | **Unary Degree** | A relation with a single attribute |
| 2 | **Binary Degree** | A relation with two attributes |
| 3 | **Ternary Degree** | A relation with three attributes |
| n | n-ary Degree | A relation with more than three attributes n>3 |

# ER MODEL IN DBMS

**Null value :** In databases, a null value can occur for various reasons

Not Needed Information: Sometimes, some details are asked, but they don't apply to everyone. For instance, asking for a "Spouse Name" from someone who isn't married.

Don't Know the Answer: Every now and then, we're asked a question, but we don't have an answer yet.

Forgot to Fill In: Like when you're filling out a form, and you accidentally miss putting in some important information.