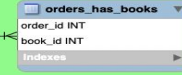
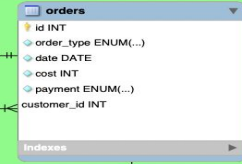


Books Management



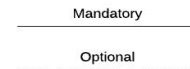
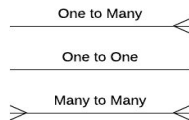
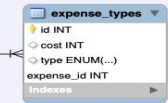
Operation Management



Customers Management



Store Management



Keys

PRIMARY KEY

***Also known as PK**, a primary key is a special kind of entity attribute that uniquely defines a record in a database table*

FOREIGN KEY

***Also known as FK**, a foreign key is a reference to a primary key in a table. It is used to identify the relationships between entities*

Tables 1

books

💡 id INT
💠 title VARCHAR(45)
💠 translator VARCHAR(45)
💠 publishing VARCHAR(45)
💠 year INT
💠 pages INT
💠 weight FLOAT
💠 condition ENUM(...)
💠 price INT
💠 store_price INT
inventory_id INT

PK: id

FK: inventory_id

orders

💡 id INT
💠 order_type ENUM(...)
💠 date DATE
💠 cost INT
💠 payment ENUM(...)
customer_id INT

PK: id

FK: customer_id

writers

💡 id INT
💠 name VARCHAR(45)

PK: id

Inventories

💡 id INT
💠 stock TINYINT
💠 date DATE

PK: id

Tables 2

deliveries

 id INT

 vendor ENUM(...)

 status ENUM(...)

 cost INT

order_id INT

PK: id

FK: order_id

employees ▼

 id INT

 start_date DATE

 end_date DATE

 first_name VARCHAR(45)

 last_name VARCHAR(45)

 address VARCHAR(45)

 phone VARCHAR(45)

 type ENUM(...)

PK: id

customers


 id INT

 first_name VARCHAR(45)

 last_name VARCHAR(45)

 address VARCHAR(45)

 phone VARCHAR(45)

 created_at DATE

PK: id

working_hours

 id INT

 month INT

 hours INT


 year INT


employee_id INT

PK: id

FK: order_id

Tables 3

 expenses	PK: id
💡 id INT	
◇ month INT	
◇ year INT	

 expense_types	PK: id
💡 id INT	
◇ cost INT	
◇ type ENUM(...)	
expense_id INT	FK: expense_id

Relationships 1

Books

Has many writers through writers_has_books (n:m)

Has many orders through orders_has_books (n:m)

Belongs to inventory

Writer

Has many books through writers_has_books (n:m)

Inventory

Has many books (1:n)

Orders

Has many deliveries (1:n)

Has many books through orders_has_books (n:m)

Deliveries

Belongs to order

Customers

Has many orders (1:n)

Employees

Has many working_hours (1:n)

Relationships 2

Working Hours

Belongs to employee

Expenses

Has many expense_types (1:n)

Expense Type

Belongs to expense