3 - Functional dependencies:

Books:

Fc = {Book_id -> Name, condition, Weight, Pages} {Book_id}+ = {Book_id, Name, Condition, Weight, Pages}.

Authors:

First_name	Last_name	Book_name
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Fc = {First_name, last_name, book_name -> first_name, last_name, book_name}. {Authors}+ = Authors.

Translator:

First_name	Last_name	Book_name
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Fc = {Book_name , First_name, Last_name , First_name, Last_name, book_name} {translator}+ = translator

Publisher

Brand Name Year Book_name

Fc = {Book_name ,Year, Brand_Name → book_name, year, name} {publisher}+ = publisher

Order

Date Informed_Date Customer_Id Book_Id	Date	Informed_Date	Customer_Id	Book_Id
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Fc = {Book_id -> Customer_id, Informed_Date, Date} {Book_id}+ = {Book_id, Customer_id, Informed_Date, Date}

Customer

Customer_id First r	ame Last name	Landline phone	cellular
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Fc = {Customer_id -> Cellular; Cellular-> customer_id, first_name, last_name, landline_phone}. {Customer_id}+ = {Customer_id, first_name, last_name, landline_phone, cellular} = candidate and primary key.

Inventory

Book_id	Date_stored

Fc = {Book_id -> date_sorted} {Book_id}+ = {Book_id, date_sorted}

warehouse

book_id	date_in	date_out

Fc = { book_id -> date_in, date_out } { book_id }+ = { book_id, date_in, date_out }

Store Purchase

book_id	book_id	Price_paid	purchase_date
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Fc = {Book_id -> price_paid, purchase_date} {Book_id}+ = {Book_id, price_paid, purchase_date}.

Book Sale

<u>k</u>	book_id	deal_id	delivery_id	customer_id	book_price	
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Fc = {Book_id -> deal_id, delivery_id, customer_id. book_price} {book_id} + = {book_id, deal_id, delivery_id, customer_id, book_price}

Deals

deal_id	total_pay	method_pay	date
<u> </u>	<u> </u>		

Fc = {Deal_id -> total_pay, method_pay, date}. {deal_id}+ = {deal_id, total_pay, method_pay, date}

Delivery

delivery_id	shipping_method	status	date
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Fc = {Delivery_id → shpping_method, status, date}. {delivery_id}+ = {delivery_id, shpping_method, status, date}

Delivery address

delivery_id city	street	number
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Fc = {delivery_id → city, street, number } {delivery_id} + = {delivery_id, city, street, number }

Payments

rent water	electric cellu	ular Landline_phone	variants
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Fc = {Date -> rent, water, electric, cellular, landline_phone, variants} {date}+ = {date, rent, water, electric, cellular, landline_phone, variants}

Sales

Deal_id -> emp_id {deal_id}+ = {deal_id, emp_id}

Employees

emp_id city street First_name last_name cellular
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Fc = {emp_id-> cellular; cellular -> emp_id, city, street, first_name, last_name} {emp_id}+ = {emp_id, city, street, first_name, last_name, cellular}

Salaries

emp_id	<u>date</u>	total_hours
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Fc = {Emp_id, date -> total_hours} {emp_id, date}+ = {emp_id, date, total_hours}

shipping_rate

shipping_method	pay_rate	Company
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Fc = { shipping_method -> pay_rate, company }
{shipping_method}+ = {shipping_method, pay_rate, company}