Lab work report 9 - Norm

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The employee database satisfy the 3NF because:

- There is no repeated column

- Cell contains only atomic

- Each non-key column depends on the primary key

- The columns in table depend on the primary key

There are 3 main actors: Customer, Order, Product. 1 Customer may have many Order and 1 Order can only belong to one Customer. 1 Product can belong to many Order and vice versa, thus we need to have one more intermediate table ProductOrder.

ProductOrder
+ orderNumber: string
+ productId: string
+ quantity: int

0..n

Relation

Product
+ id: string
+ description: string
+ price: int

1

0..n

Relation

Order
+ number: string
+ date: date
+ customerId: string

1

Customer
+ id: string
+ name: string
+ phone: string
+ address: string
+ city: string

1

0..n Relation