Homework No. 8: Third normal form from class's exercises and their queries

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Sale's order

Follows queries shows how build from zero, the tables that correspond third normal form of sale's orders.

CREATE TABLE ORDEN(
idOrden int not null,
fecha date not null,
idCliente int not null,
PRIMARY KEY (idOrden))

CREATE TABLE CLIENTE(
idCliente int not null,
nombreCliente varchar(10) not null,
estado varchar(10) not null)

CREATE TABLE ORDENART(
idOrden int not null foreign key references ORDEN(idOrden),
noArticulo int not null,
cantidad int not null)

CREATE TABLE ARTICULO(
noArticulo int not null,
nombreArticulo varchar(10) not null,
articuloPrecio float not null)
Following queries will build next tables:

First table (3NF)

Order id	Date	Client id
2301	23/02/11	101
2302	25/02/11	107
2303	27/02/11	110

Second table (3NF)

Client id	Client name	Province
101	Martin	Caracas
107	Herman	Coro
110	Pedro	Macaray

Third table (3NF)

Order id	Article number	Quantity
2301	3786	3
2301	4011	6
2301	9132	8
2302	5794	4
2302	4011	2
2303	3141	2

Fourth table (3NF)

Article number	Article name	Price
3786	Red	35.00
4011	Raqueta	65.00
9132	Paq-3	4.75
5794	Paq-6	5.00
4011	Raqueta	65.00
3141	Funda	10.00

Second exercise from car's sales

Following tables have information about the every registry of car sale divides in three tables.

First table (3NF)

Sales number	Reg Car number	Client number	Date's sale
231	8374S	324R	2/01/20
458	2344R	233W	3/02/20
532	2984E	453J	6/02/20
784	8374S	971Z	2/01/20
784	3245G	309N	4/03/20

Second table (3NF)

Date's sale	Price
2/01/20	2,200,000 USD
3/02/20	3,450,000 USD
6/02/20	1,200,000 USD
4/03/20	1,100,000 USD

Third table (3NF)

Reg Car number	Model	Trademark
8374S	La Ferrari	Ferrari
2344R	Phantom II	Roll Royce
2984E	488 Pista	Ferrari
3245G	Quattroporte	Maserati

Fourth table (3NF)

Seller number	Seller name
231	James Smith
458	Jason Williams
532	Sally Taylor
784	Kelly Thomas

Fifth table (3NF)

Client number	Client name
971Z	Daniel Zarco
233W	John D. Rockefeller
324R	Oskar Schindler
453J	Jordan Belfort
309N	Henry Ford

Notes

Tables were filled with imaginary records to show facility and cleanliness presentation of them.