Relational Data Models

Primary keys are in red, foreign keys are in blue

CREATE TABLE products (

name varchar(200) PRIMARY KEY,

availableUnits int,

price float,

barcode int,

providerInfo varchar(1000),

providerName varchar(200)

);

products

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| name varchar(200) | availableUnits  int | price  float | barcode  int | providerInfo  varchar(1000) | providerName  varchar(200) |
| Apple | 50 | 0.99 | 1568494530 | 568 S 400 W Atlanta, Georgia 48934 895-594-8745 | Johnny Appleseed |
| Banana | 74 | 0.58 | 1578965445 | 896 W 500 N Tallahassee, Florida 45897 458-521-845... | Dole Johnson |

CREATE TABLE customers (

customerID int PRIMARY KEY,

name varchar(200),

address varchar(500)

);

customers

|  |  |  |
| --- | --- | --- |
| customerID int | name varchar(200) | address varchar(500) |
| 0 | William Banks | 896 W 500 N Tallahassee, Florida 45897 458-521-845... |
| 1 | Mason Jones | 584 Center St. San Francisco, CA 65860 |

CREATE TABLE orders (

orderID int PRIMARY KEY,

customerID int,

paymentType varchar(50),

totalCost double,

deliveryMethod varchar(50)

orderInfo varchar(400)

);

orders

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| orderID int | customerID int | paymentType varchar(50) | totalCost double | deliveryMethod varchar(50) | orderInfo varchar(400) |
| 0 | 0 | Cash | 12.83 | Pick Up | Apple^0.99^4|Coca-Cola^0.75^2|Bread^2.5^1|Potatoes^0.69^6 |
| 1 | 1 | Check | 11.86 | Pick Up | Tuna^0.99^6|Coca-Cola^0.75^2|Carrots^1.25^3 |

CREATE TABLE employees (

id int PRIMARY KEY,

name varchar(30),

password varchar(30),

accessRights smallint,

image varchar(200)

);

employees

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id int | name varchar(30) | password varchar(30) | accessRights smallint(6) | Image varchar(200) |
| 0 | Ignacio S | spicyTortillas | 1 | data/black\_curly\_hair\_man.jpg |
| 1 | Andrew F | blueMonkey45 | 2 | data/handsome\_guy.jpg |

paymentType

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contains

processes

makes

address

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id

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name

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password

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image

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accessRights

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id

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name

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deliveryMethod

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info

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totalCost

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orderID

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custID

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providerName

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providerInfo

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name

units

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price

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barcode

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employee

product

customer

order