Relational Data Models

Primary keys are in red, foreign keys are in blue

CREATE TABLE products (

Id int PRIMARY KEY,

name varchar(200),

availableUnits int,

price float,

barcode int,

providerInfo varchar(1000),

providerName varchar(200)

);

products

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Id (int) | name varchar(200) | availableUnits  int | price  float | barcode  int | providerInfo  varchar(1000) | providerName  varchar(200) |
| 0 | Apple | 50 | 0.99 | 1568494530 | 568 S 400 W Atlanta, Georgia 48934 895-594-8745 | Johnny Appleseed |
| 1 | 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),

rewardCard int,

rewardPoints int

);

customers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| customerID int | name varchar(200) | address varchar(500) | rewardCard | rewardPoints |
| 0 | William Banks | 896 W 500 N Tallahassee, Florida 45897 458-521-845... | 102548 | 2050 |
| 1 | Mason Jones | 584 Center St. San Francisco, CA 65860 | 589654 | 3600 |

CREATE TABLE orders (

orderID int PRIMARY KEY,

customerID int,

paymentType varchar(50),

totalCost double,

deliveryMethod varchar(50)

orderDate varchar(50)

);

orders

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| orderID int | customerID int | paymentType varchar(50) | totalCost double | deliveryMethod varchar(50) | orderDate varchar(50) |
| 0 | 0 | Cash | 12.83 | Pick Up | 2017/03/12 |
| 1 | 1 | Check | 11.86 | Pick Up | 2017/03/16 |

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 |

CREATE TABLE saleItems (

id int PRIMARY KEY,

name varchar(200),

salePrice double,

startDate varchar(50),

endDate varchar(50)

);

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **id** | **name** | **salePrice** | **startDate** | **endDate** |
| 0 | Apple | 0.79 | 2017/03/31 | 2017/04/10 |
| 1 | Carrots | 1.00 | 2017/04/01 | 2017/04/30 |

CREATE TABLE orderhelper (

orderID int FOREIGN KEY,

productid int FOREIGN KEY,

productPrice double,

quantity int,

orderDate varchar(50)

);

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **orderID** | **productID** | **productPrice** | **quantity** | **orderDate** |
| 0 | 2 | 0.75 | 2 | 2017/03/31 |
| 1 | 6 | 0.99 | 4 | 2017/03/31 |

productPrice

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productID

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quantity

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orderID

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orderDate

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orderHelper

contains

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