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Database Management
13 April 2015

Lab 8: Normalization Two

CREATE AND INSERT STATEMENTS

-- Clothes Codd & Co. Sells --

```
CREATE TABLE ClothesCoddandCoSells (  
    item          text,  
    itemdescription text,  
    retailpriceUSD numeric (10,2),  
    qtyonhand      integer,  
    primary key (item) );
```

-- Purchase order data --

```
CREATE TABLE PurchaseOrderData (  
    supplier      varchar,  
    itembeingpurchased varchar,  
    qty           integer,  
    purchasepriceUSD numeric (10,2),  
    purchaseordernumber numeric,  
    purchaseorderdate date,  
    purchaseordercomments varchar,  
    primary key (supplier, itembeingpurchased) );
```

-- Supplier data --

```
CREATE TABLE SupplierData (  
    name          varchar,  
    streetaddress varchar,  
    city          varchar,  
    state         char(2),  
    postalcode    char(5),  
    contactinfoname varchar,  
    contactinfonumber char(10),  
    paymentterms  varchar,  
    primary key (name) );
```

-- Clothes Codd & Co. Sells --

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)  
VALUES ('ShortSleeve01', 'RedShortSleeveShirt', 15.00, 22);
```

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)  
VALUES ('LongSleeve01', 'OrangeLongSleeveShirt', 20.00, 17);
```

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)  
VALUES ('Shorts01', 'BlueShorts', 25.00, 17);
```

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)  
VALUES ('Pants01', 'YellowPants', 35.00, 27);
```

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)  
VALUES ('BaseballHat01', 'GreyBaseballHat', 20.00, 32);
```

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)  
VALUES ('BaseballHat02', 'PurpleBaseballHat', 15.00, 7);
```

```
INSERT INTO ClothesCoddandCoSells(item, itemdescription, retailpriceUSD, qtyonhand)
VALUES ('Scarf01', 'BlackScarf', 30.00, 12);
```

-- Purchase order data --

```
INSERT INTO PurchaseOrderData(supplier, itembeingpurchased, qty, purchasepriceUSD,
purchaseordernumber, purchaseorderdate, purchaseordercomments)
VALUES ('WarmColorClothingInc', 'ShortSleeveShirt', 20, 10.00, 1001, 'May-27-2014', 'SizesXS-L');
```

```
INSERT INTO PurchaseOrderData(supplier, itembeingpurchased, qty, purchasepriceUSD,
purchaseordernumber, purchaseorderdate, purchaseordercomments)
VALUES ('WarmColorClothingInc', 'LongSleeveShirt', 15, 15.00, 2001, '09-15-2014', 'SizesXS-L');
```

```
INSERT INTO PurchaseOrderData(supplier, itembeingpurchased, qty, purchasepriceUSD,
purchaseordernumber, purchaseorderdate, purchaseordercomments)
VALUES ('CoolColorClothingCo', 'Shorts', 15, 20.00, 3001, '06-14-2014', 'SizesS-XL');
```

```
INSERT INTO PurchaseOrderData(supplier, itembeingpurchased, qty, purchasepriceUSD,
purchaseordernumber, purchaseorderdate, purchaseordercomments)
VALUES ('WarmColorClothingInc', 'Pants', 25, 25.00, 2001, '09-15-2014', 'SizesS-XL');
```

```
INSERT INTO PurchaseOrderData(supplier, itembeingpurchased, qty, purchasepriceUSD,
purchaseordernumber, purchaseorderdate, purchaseordercomments)
VALUES ('DullColorClothingSupplier', 'BaseballHat', 30, 15.00, 4001, '03-03-2014', 'OneSize');
```

-- Supplier data --

```
INSERT INTO SupplierData (name, streetaddress, city, state, postalcode, contactinfo, name,
contactinfonumber, paymentterms)
VALUES ('WarmColorClothingInc', '123SunnyStreet', 'Miami', 'FL', '33125', 'SallySunshine', '1231231231',
'PayBeforeShipping');
```

```
INSERT INTO SupplierData (name, streetaddress, city, state, postalcode, contactinfo, name,
contactinfonumber, paymentterms)
VALUES ('CoolColorClothingCo', '456RainyRoad', 'Seattle', 'WA', '96101', 'DannyDamp', '4564564564',
'PayAfterReceive');
```

```
INSERT INTO SupplierData (name, streetaddress, city, state, postalcode, contactinfo, name,
contactinfonumber, paymentterms)
VALUES ('DullColorClothingSupplier', '789GrayLane', 'NewYork', 'NY', '10001', 'ChrisCloudy', '7897897897',
'PayBeforeShipping');
```

FUNCTIONAL DEPENDENCIES

Table: Clothes Codd & Co. Sells

Functional Dependencies: item, item description → retail price usd, qty on hand

Table: Purchase order data

Functional Dependencies:

- Supplier, Item being purchased → qty, purchase price usd, purchase order #, purchase order date, purchase order comments
- Purchase order #, item being purchased → supplier, qty, purchase price usd, purchase order date, purchase order comments

Table: Supplier data

Functional Dependencies: Name → street address, city, state, postal code, contact info, payment terms

E/R Diagram

