



Joseph Strauss
CMPT 308 - Spring 2015
LAB *

-- LAB 8 Tables

drop TABLE Orders;
drop TABLE Suppliers;
drop TABLE Clothing;

-- Suppliers --

```
CREATE TABLE Suppliers(  
  name    text not null,  
  addr    text,  
  city    text,  
  state   CHAR(2),  
  zip     CHAR(5),  
  contact text not null,  
  payment text not null,  
  primary key(name)  
);
```

-- Clothes --

```
CREATE TABLE Clothing(  
  sku      CHAR(9) not null,  
  description text,  
  retailUSD NUMERIC(5,2),  
  qty      INTEGER,  
  primary key(sku)  
);
```

-- Orders --

```
CREATE TABLE Orders(  
  name      text not null references Suppliers(name),  
  sku       CHAR(9) not null references Clothing(sku),  
  date      date not null,  
  qty       INTEGER not null,  
  orderNum  CHAR(5) not null,  
  open      BOOLEAN not null,  
  comments  text  
);
```

-- Insert 5 Suppliers --

```
INSERT INTO Suppliers(name, addr, city, state, zip, contact, payment)  
  VALUES('GAP', 'Big Way Drive', 'Johnsonville', 'NY', 12689, 'Bob Thompson - 914-567-8952 ext. 4321', 'VISA -  
Due at 15 of Month');
```

```
INSERT INTO Suppliers(name, addr, city, state, zip, contact, payment)  
  VALUES('OshKosh', 'Oklahoma Ave.', 'Oklahoma City', 'OK', 73101, 'Stacey McKown - 405-555-1212', 'CHK - Due  
at 05 of Month');
```

```
INSERT INTO Suppliers(name, addr, city, state, zip, contact, payment)
```

```
VALUES('Man Dressers', 'Big Man Drive', 'New York', 'NY', 10001, 'Jackie Yan - 212-201-5556', 'CHK - Due at 09 of Month');
```

```
INSERT INTO Suppliers(name, addr, city, state, zip, contact, payment)
```

```
VALUES('Kids Barn', 'Big Indian Street', 'Hoboken', 'NJ', 07030, 'Fred McDowell - 234-989-1200', 'VISA - Due at 25 of Month');
```

```
INSERT INTO Suppliers(name, contact, payment)
```

```
VALUES('W.K. Prod Inc.', 'www.whoknows.com', 'COD');
```

```
-- Insert 5 Clothes --
```

```
INSERT INTO Clothing(sku, description, retailUSD, qty)
```

```
VALUES('123456789', 'LVI W32-RXFT-PNTS BLU', 79.99, 54);
```

```
INSERT INTO Clothing(sku, description, retailUSD, qty)
```

```
VALUES('123123123', 'AERO XL-SHRT BLU', 29.99, 19);
```

```
INSERT INTO Clothing(sku, description, retailUSD, qty)
```

```
VALUES('456456456', 'MLB-NNY CAP PNK', 49.99, 13);
```

```
INSERT INTO Clothing(sku, description, retailUSD, qty)
```

```
VALUES('789789789', 'OSH 3T-OVR BLK', 19.99, 4);
```

```
INSERT INTO Clothing(sku, description, retailUSD, qty)
```

```
VALUES('321321321', 'LVI W36-PNTS WHT', 79.99, 0);
```

```
-- Insert 10 Orders --
```

```
INSERT INTO Orders(name, sku, date, qty, orderNum, open)
```

```
VALUES('GAP', 123456789, 'Apr-02-2015', 76, 11111, true);
```

```
INSERT INTO Orders(name, sku, date, qty, orderNum, open)
```

```
VALUES('GAP', 321321321, 'Apr-02-2015', 20, 11111, true);
```

```
INSERT INTO Orders(name, sku, date, qty, orderNum, open, comments)
```

```
VALUES('OshKosh', 789789789, 'Mar-30-2015', 25, 12121, true, 'Backordered till 5/01/2015');
```

```
INSERT INTO Orders(name, sku, date, qty, orderNum, open)
```

```
VALUES('GAP', 789789789, 'Apr-02-2015', 15, 11111, true);
```

```
INSERT INTO Orders(name, sku, date, qty, orderNum, open)
```

```
VALUES('Man Dressers', 456456456, 'Apr-08-2015', 26, 22222, true);
```

```
INSERT INTO Orders(name, sku, date, qty, orderNum, open)
```

```
VALUES('W.K. Prod Inc.', 123123123, 'Apr-05-2015', 32, 43434, false);
```

```
--DEPENDENCIES
```

```
-- CLOTHING: sku ---> desc
```

```
--
```

```
-- SUPPLIERS: name ---> addr, contact
```

```
--
```

```
-- ORDERS: name, sku, date ---> orderNum
```

```
Select Clothing.sku, SUM(Clothing.qty)
from Clothing, Orders
where Clothing.sku = '123456789'
      AND
      (Orders.sku = '123456789'
      AND Orders.open = true)
GROUP BY Clothing.sku;
```