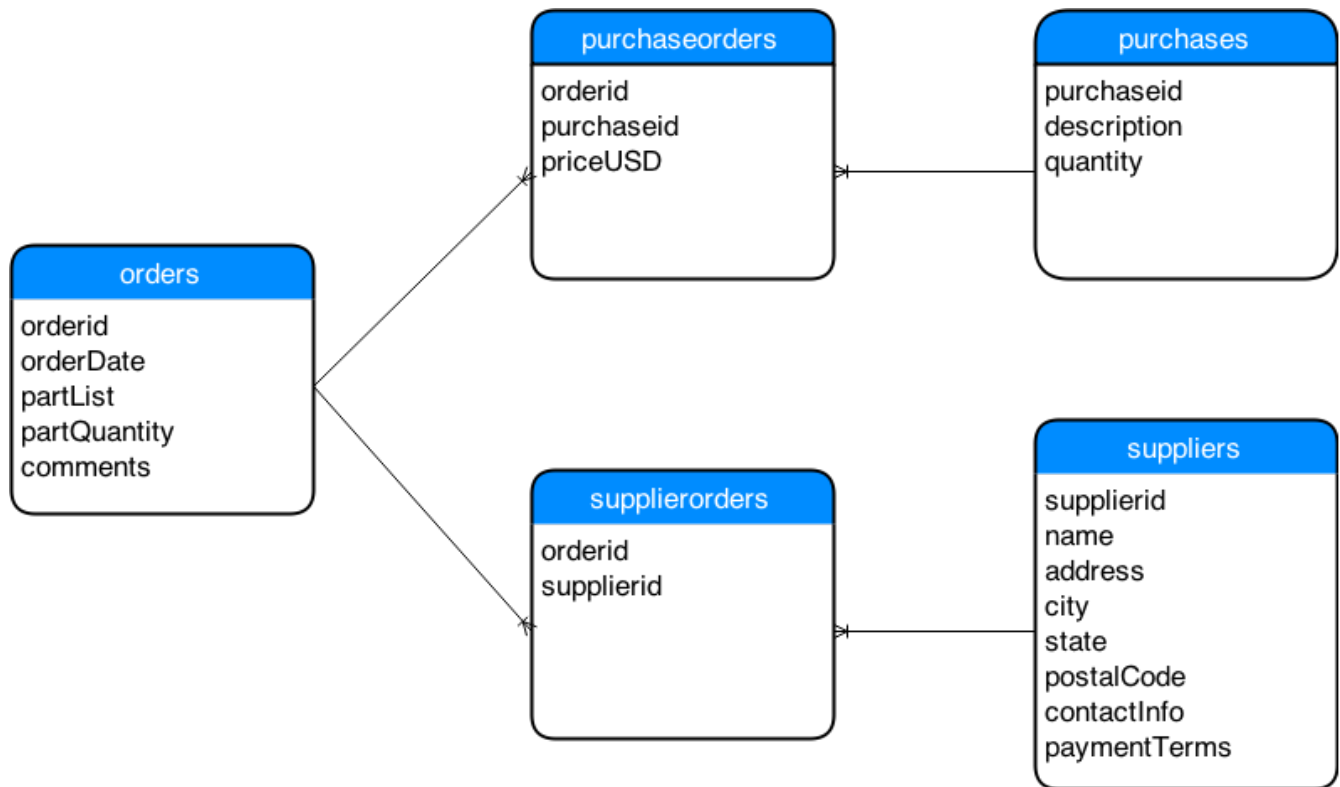


1.



2.

```
CREATE TABLE orders (  
    orderid INT PRIMARY KEY NOT NULL,  
    orderDate DATE,  
    partList TEXT,  
    partQuantity INT,  
    comments TEXT  
);  
  
CREATE TABLE purchases (  
    purchaseid INT PRIMARY KEY NOT NULL,  
    description TEXT,  
    quantity INT  
);  
  
CREATE TABLE suppliers (  
    supplierid INT PRIMARY KEY NOT NULL,  
    name TEXT,  
    address TEXT,  
    city TEXT,  
    state TEXT,  
    postalCode INT,
```

```
        contactInfo TEXT,  
        paymentTerms TEXT  
    );
```

```
CREATE TABLE purchaseorders (  
    orderid INT REFERENCES orders,  
    purchaseid INT REFERENCES purchases,  
    priceUSD INT,  
    CONSTRAINT po_pk PRIMARY KEY (orderid, purchaseid)  
);
```

```
CREATE TABLE supplierorders (  
    orderid INT REFERENCES orders,  
    supplierid INT REFERENCES suppliers,  
    CONSTRAINT so_pk PRIMARY KEY (orderid, supplierid)  
);
```

3.

```
INSERT INTO suppliers (supplierid, name, address, city, state, postalCode,  
contactInfo, paymentTerms)  
VALUES (0, 'ACME Supply', '123 Supply Rd', 'SupplyVille', 'Kansas', 66075,  
'(123)123-1234', '1 percent 10 net 30');
```

```
INSERT INTO suppliers (supplierid, name, address, city, state, postalCode,  
contactInfo, paymentTerms)  
VALUES (1, 'FutureWare, Inc.', '456 Martian St', 'Marstown', 'California',  
10101, '(456)456-4567', '2 percent 10 net 30');
```

```
INSERT INTO suppliers (supplierid, name, address, city, state, postalCode,  
contactInfo, paymentTerms)  
VALUES (2, 'S & D', '789 Crown Ln', 'New York', 'New York', 12000,  
'(789)789-7890', '1 percent 10 net 30');
```

```
INSERT INTO purchases (purchaseid, description, quantity)  
VALUES (0, 'T-shirts', 10000);
```

```
INSERT INTO purchases (purchaseid, description, quantity)  
VALUES (1, 'Jeans', 2000);
```

```
INSERT INTO purchases (purchaseid, description, quantity)  
VALUES (2, 'Polos', 5000);
```

```
INSERT INTO purchases (purchaseid, description, quantity)  
VALUES (3, 'Underwear', 9001);
```

```
INSERT INTO purchases (purchaseid, description, quantity)  
VALUES (4, 'Shorts', 3000);
```

```
INSERT INTO orders (orderid, orderDate, partList, partQuantity, comments)
VALUES (0, DATE '2011-02-11', 'T-shirts', 4832, 'Black only');
```

```
INSERT INTO orders (orderid, orderDate, partList, partQuantity, comments)
VALUES (1, DATE '2012-01-05', 'Underwear', 2351, 'Boxers and briefs');
```

```
INSERT INTO orders (orderid, orderDate, partList, partQuantity, comments)
VALUES (2, DATE '2012-06-12', 'Polos', 1091, 'Blue, green and white');
```

```
INSERT INTO purchaseorders (orderid, purchaseid, priceUSD)
VALUES (0, 0, 20);
```

```
INSERT INTO purchaseorders (orderid, purchaseid, priceUSD)
VALUES (1, 3, 10);
```

```
INSERT INTO purchaseorders (orderid, purchaseid, priceUSD)
VALUES (2, 2, 25);
```

```
INSERT INTO supplierorders (orderid, supplierid)
VALUES (0, 2);
```

```
INSERT INTO supplierorders (orderid, supplierid)
VALUES (1, 0);
```

```
INSERT INTO supplierorders (orderid, supplierid)
VALUES (2, 1);
```

4.

orders: orderid -> orderDate, partList, partQuantity

purchases: purchaseid -> description, quantity

suppliers: supplierid -> address, city, state, postalCode, paymentTerms

purchaseorders: orderid, purchaseid -> priceUSD

supplierorders: none

5.

```
SELECT (partQuantity + quantity) AS sku
```

```
FROM orders o, purchases p
```

```
WHERE o.partList = p.description
```