

#1.Create 5 tables:#

```
CREATE DATABASE your_database
USE your_database
```

```
CREATE TABLE Vendor (
    V_id INT PRIMARY KEY,
    Name VARCHAR(100),
    Location VARCHAR(100),
    Feedback_Score INT,
    Stock1 INT,
    Stock2 INT,
    Stock3 INT,
    Stock4 INT,
    Stock5 INT
);
```

```
CREATE TABLE Products (
    P_id INT PRIMARY KEY,
    Name VARCHAR(100),
    Price FLOAT,
    Size VARCHAR(100),
    Weight VARCHAR(100),
    Category VARCHAR(100),
    Stock1 INT,
    Stock2 INT,
    Stock3 INT
);
```

```
CREATE TABLE Customer (
    C_id INT PRIMARY KEY,
    Contact_Number INT,
    Address VARCHAR(100),
    Order_History VARCHAR(1000)
);
```

```
CREATE TABLE `Orders` (
    O_id INT PRIMARY KEY,
    Shipping_status VARCHAR(100),
    C_id INT,
    V_id INT,
    FOREIGN KEY (C_id) REFERENCES Customer(C_id),
    FOREIGN KEY (V_id) REFERENCES Vendor(V_id)
);
```

```
CREATE TABLE Order_Item (  
    O_id INT PRIMARY KEY,  
    Total_Price FLOAT,  
    Num_Product1 INT,  
    Num_Product2 INT,  
    Num_Product3 INT,  
    Num_Product4 INT,  
    Num_Product5 INT,  
    FOREIGN KEY (O_id) REFERENCES `Orders`(O_id)  
);
```

#2. initiate tables:#

```
INSERT INTO Customer VALUES  
(1, 43225655, 'Hong Kong Island', 2),  
(2, 76872341, 'KowLoon City', 1),  
(3, 82295616, 'Hong Kong Island', 3),  
(4, 54888219, 'Singapore', 4);
```

```
INSERT INTO Vendor VALUES  
(1, 'A', 'China', Null, 100, 150, 100, 300, 200),  
(2, 'B', 'Japan', Null, 80, 200, 200, 120, 180),  
(3, 'C', 'Singapore', Null, 50, 300, 100, 150, 150);
```

```
INSERT INTO Products VALUES  
(1, 'Refrigerator', 3300.0, 'Large', '30kg', 'Furniture', 100, 80, 50),  
(2, 'TV', 5000.0, 'Large', '20kg', 'Furniture', 150, 200, 300),  
(3, 'CCTV', 270.0, 'Small', '0.2kg', 'Electronic products', 100, 200, 100),  
(4, 'Table', 1000.0, 'Medium', '10kg', 'Furniture', 300, 120, 150),  
(5, 'DVD', 600.0, 'Small', '2kg', 'Electronic products', 200, 180, 150);
```

```
INSERT INTO Orders VALUES  
(1, 'Signed', 2, 1),  
(2, 'Shipping', 1, 3),  
(3, 'Awaiting', 3, 1),  
(4, 'Signed', 4, 2);
```

```
INSERT INTO Order_Item VALUES  
(1, 118700.0, 20, 10, 10, 0, 0),  
(2, 31200.0, 5, 0, 10, 0, 20),  
(3, 47070.0, 0, 7, 21, 4, 4),  
(4, 82900.0, 6, 11, 30, 0, 0);
```