Inventory Management System

The SQL statement creates a table called Shoes with four columns: shoe_id, brand_id, shoe_name, and shoe_brand.

```
/* I created a Shoes table*/
use [Team4_db]

CREATE TABLE Shoes (
  shoe_id BIGINT PRIMARY KEY,
  brand_id BIGINT,
  shoe_name NVARCHAR(255),
  shoe_brand NVARCHAR(255),
);
```

The SQL statement inserts sample rows of data into the Shoes table.

```
INSERT INTO Shoes (shoe_id, brand_id, shoe_name, shoe_brand)
VALUES
  (21, 101, 'Air Max 90', 'Nike'),
  (22, 102, 'Chuck Taylor All Star', 'Converse'),
  (23, 103, 'Classic Leather', 'Reebok'),
  (24, 104, 'Old Skool', 'Vans'),
  (25, 105, 'Gel-Kayano 27', 'ASICS'),
  (26, 101, 'Air Force 1', 'Nike'),
  (27, 102, 'Chuck 70', 'Converse'),
  (28, 103, 'Nano X', 'Reebok'),
  (29, 104, 'Authentic', 'Vans'),
  (30, 105, 'GT-2000 9', 'ASICS')
```

The SQL statement creates a table called `Sales` with six columns: `sales_id`, `brand_id`, `quantity`, `total_price`, `date`, and `inventory_id`.

```
CREATE TABLE Sales (
  sales_id BIGINT PRIMARY KEY,
  brand_id BIGINT,
  quantity INT,
  total_price FLOAT,
  date DATE,
  inventory_id INT
);
```

The SQL statement inserts dummy rows of data into the Sales table.

```
INSERT INTO Sales (sales_id, brand_id, quantity, total_price, date,inventory_id)
VALUES
  (51, 101, 6,  159.98, '2023-06-01',1),
  (52, 102, 8,  79.99, '2023-06-02',2),
  (53, 103, 7,  319.96, '2023-06-05',3),
  (54, 104, 10, 239.97, '2023-06-07',4),
  (55, 105, 9,  169.98, '2023-06-10',5)
```

The SQL statement creates a table called Brands with 2 columns: brand_id and brand_name

```
CREATE TABLE Brands (
  brand_id BIGINT PRIMARY KEY,
  brand_name NVARCHAR(255)
);
```

Just like the steps provided above I also inserted sample data in the table.

```
INSERT INTO Brands (brand_id, brand_name)
VALUES (101, 'Nike'),
       (102, 'Converse'),
       (103, 'Reebok'),
       (104, 'Vans'),
       (105, 'ASICS');
```

The SQL statement creates a table called Admin with 4 columns: admin_id, name, password and roles.

```
CREATE TABLE Admins (
  admin_id INT PRIMARY KEY,
  name NVARCHAR(255),
  password NVARCHAR(255),
  roles NVARCHAR(255)
);
```

```
INSERT INTO Admins (admin_id, name, password,roles)
VALUES (1, 'John',
'$2a$10$HbXvbcJfbvIlsnA/w.Dveu4utMx7/jeEsxE3qEbl9M57hR5Fiyi2m','customer'),
       (2, 'Jane',
'$2a$10$LE71ocGQM4Og0NOSWnBAfe.g.PfjmYaYSlgLm86ol6AVNQIKGEyvi','admin')
```

The SQL statement creates a table called Inventory with 6 columns and I inserted sample records in it.

```
CREATE TABLE Inventory (
  inventory_id INT PRIMARY KEY,
  shoe_id BIGINT,
  color NVARCHAR(255),
  size INT,
  quantity INT,
  price FLOAT
);
```

```
INSERT INTO Inventory (inventory_id,shoe_id,color,size,quantity,price  )
VALUES (1, 21,'White',9,2,159.98),
       (2, 22,'Black',8,1,79.99),
       (3, 23,'White',10,3,59.99);
```