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 AIM : Writing Queries for Inventory Management System.

CREATE TABLE Owner (

   owner_id INT PRIMARY KEY,

   First_name VARCHAR(50),

   Last_name VARCHAR(50)

);

```
mysql> desc Owner;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| owner_id   | int(11)     | NO   | PRI | NULL    |       |
| First_name | varchar(50) | YES  |     | NULL    |       |
| Last_name  | varchar(50) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.03 sec)
```

CREATE TABLE Item (

   Item_id INT PRIMARY KEY,

   Price DECIMAL(10, 2),

   Name VARCHAR(100),

   Quantity INT

);

```
mysql> desc Item;
+----------+---------------+------+-----+---------+-------+
| Field    | Type          | Null | Key | Default | Extra |
+----------+---------------+------+-----+---------+-------+
| Item_id  | int(11)       | NO   | PRI | NULL    |       |
| Price    | decimal(10,2) | YES  |     | NULL    |       |
| Name     | varchar(100)  | YES  |     | NULL    |       |
| Quantity | int(11)       | YES  |     | NULL    |       |
+----------+---------------+------+-----+---------+-------+
4 rows in set (0.03 sec)
```

CREATE TABLE Transaction (

   Transaction_id INT PRIMARY KEY,

   Item_code INT,

   Name VARCHAR(100),

```
    Quantity INT,

    Seller VARCHAR(100),

    FOREIGN KEY (Item_code) REFERENCES Item(Item_id)

);
```

```
mysql> desc Transaction;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| Transaction_id | int(11)      | NO   | PRI | NULL    |       |
| Item_code      | int(11)      | YES  | MUL | NULL    |       |
| Name           | varchar(100) | YES  |     | NULL    |       |
| Quantity       | int(11)      | YES  |     | NULL    |       |
| Seller         | varchar(100) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
5 rows in set (0.03 sec)
```

```
CREATE TABLE Stock (

    Stock_id INT PRIMARY KEY,

    Item_code INT,

    Name VARCHAR(100),

    Quantity INT,

    Req_quantity INT,

    FOREIGN KEY (Item_code) REFERENCES Item(Item_id)

);
```

```
mysql> desc Stock;
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| Stock_id     | int(11)      | NO   | PRI | NULL    |       |
| Item_code    | int(11)      | YES  | MUL | NULL    |       |
| Name         | varchar(100) | YES  |     | NULL    |       |
| Quantity     | int(11)      | YES  |     | NULL    |       |
| Req_quantity | int(11)      | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
5 rows in set (0.04 sec)
```

```
CREATE TABLE Sales (

    Sales_id INT PRIMARY KEY,

    Item_id INT,

    Quantity INT,

    Seller VARCHAR(100),

    FOREIGN KEY (Item_id) REFERENCES Item(Item_id)
```

);

```
mysql> desc Sales;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| Sales_id | int(11)      | NO   | PRI | NULL    |       |
| Item_id  | int(11)      | YES  | MUL | NULL    |       |
| Quantity | int(11)      | YES  |     | NULL    |       |
| Seller   | varchar(100) | YES  |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
4 rows in set (0.03 sec)
```