CREATE TABLES

```sql
1  --DROP TABLE customers
2  --DROP TABLE inventory
3  --DROP TABLE sales
4
5  CREATE TABLE customers (
6      customer_id INT IDENTITY(1,1) PRIMARY KEY,
7      first_name VARCHAR(50),
8      last_name VARCHAR(50),
9      email VARCHAR(100)
10 );
11
12 CREATE TABLE inventory (
13     product_id INT IDENTITY(1,1) PRIMARY KEY,
14     product_name VARCHAR(100),
15     quantity INT,
16     price DECIMAL(10,2)
17 );
18
19 CREATE TABLE sales (
20     sale_id INT IDENTITY(1,1) PRIMARY KEY,
21     product_id INT,
22     customer_id INT,
23     sale_date DATE,
24     quantity INT,
25 );
26
```

INSERT DATA INTO TABLES

```sql
1  INSERT INTO customers (first_name, last_name, email) VALUES
2  ('John', 'Doe', 'john.doe@example.com'),
3  ('Jane', 'Doe', 'jane.doe@example.com');
4
5  INSERT INTO inventory (product_name, quantity, price) VALUES
6  ('Notepad', 5, 10.50),
7  ('Pen', 10, 2.30);
8
9  INSERT INTO sales (product_id, customer_id, sale_date, quantity) VALUES
10 (1, 1, '2023-01-01', 1),
11 (2, 2, '2023-01-02', 2);
```

QUERY CUSTOMER DATA

```
1 SELECT
2     *
3 FROM customers
4
```

customer_id	first_name	last_name
1	John	Doe
2	Jane	Doe

QUERY INVENTORY DATA

```
1 --SELECT * FROM customers
2 SELECT * FROM inventory
3
```

product_id	product_name	quantity	price
1	Notepad	5	10.50
2	Pen	10	2.30

QUERY SALES DATA

```
1 --SELECT * FROM customers
2 --SELECT * FROM inventory
3 SELECT * FROM sales
4
```

sale_id	product_id	customer_id	sale_date	quantity
1	1	1	2023-01-01	1
2	2	2	2023-01-02	2

WHO PURCHASED WHAT AND WHEN

```sql
 5 SELECT
 6     customers.first_name + ' ' + customers.last_name AS [customer full name]
 7     ,sales.quantity
 8     ,sales.sale_date
 9     ,inventory.product_name
10 FROM customers
11 INNER JOIN sales ON sales.customer_id = customers.customer_id
12 INNER JOIN inventory ON inventory.product_id = sales.product_id
13
14
```

customer full name	quantity	sale_date	product_name
John Doe	1	2023-01-01	Notepad
Jane Doe	2	2023-01-02	Pen