

OUTPUTS:

1. Create User:

```
===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 1
Enter username: Sanjay
Enter password: sanjay01
Enter role (Admin/User): Admin
User created successfully.
```

2. Create Product:

```
===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 2
Enter your username: Sanjay
Enter your password: sanjay01
Access granted to create products.
Enter product name: Laptop
Enter description: High speed laptop.
Enter price: 65000
Enter quantity in stock: 3
Enter product type (Electronics/Clothing): Electronics
Enter brand: Lenovo
Enter warranty period: 4
Product created successfully.
Do you want to add another product? (yes/no): Yes
Enter product name: Tshirt
Enter description: Nike sports Tshirt.
Enter price: 1500
Enter quantity in stock: 5
Enter product type (Electronics/Clothing): Clothing
Enter size: 40
Enter color: Black
Product created successfully.
Do you want to add another product? (yes/no): no
Exiting product creation.
```

3. Create Order:

```
===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 3
Enter your User ID: 12
Enter product IDs to order (comma-separated): 15,17
Order created successfully.

===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 3
Enter your User ID: 13
Enter product IDs to order (comma-separated): 13
Order created successfully.
```

4. Cancel Order:

```
===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 4
Enter your User ID: 14
Enter Order ID to cancel: 23
Order canceled successfully.
```

5. Get all Products:

```
===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 5
Fetching all products...
Product ID: 13, Name: Laptop, Price: 65000.0, Stock: 3, Type: Electronics
Product ID: 14, Name: Tshirt, Price: 1500.0, Stock: 5, Type: Clothing
Product ID: 15, Name: SmartPhone, Price: 85000.0, Stock: 4, Type: Electronics
Product ID: 16, Name: Track Pant, Price: 1800.0, Stock: 6, Type: Clothing
Product ID: 17, Name: Power Bank, Price: 2200.0, Stock: 5, Type: Electronics
Product ID: 18, Name: Hoodie, Price: 2500.0, Stock: 7, Type: Clothing
```

6. Get Orders by User:

```
===Home page===
1. Create User
2. Create Product
3. Create Order
4. Cancel Order
5. Get All Products
6. Get Orders By User
7. Exit
-----
Enter your choice: 6
Enter your User ID: 12
Orders for User ID 12:
Order ID: 19, Product ID: 15
Order ID: 20, Product ID: 17
```

7. Final Screen Shot of all Tables:

ResultsMessages

| | userId | username | password | role |
|---|--------|----------|----------|-------|
| 1 | 10 | Sanjay | sanjay01 | Admin |
| 2 | 11 | Vijay | vijay02 | User |
| 3 | 12 | Ajay | ajay03 | User |
| 4 | 13 | Jhon | jhon04 | User |
| 5 | 14 | Sunil | sunil05 | User |

| | productId | productName | description | price | quantityInStock | type | brand | warrantyPeriod | size | color |
|---|-----------|-------------|--------------------------|-------|-----------------|-------------|---------|----------------|------|-------|
| 1 | 13 | Laptop | High speed laptop. | 65000 | 3 | Electronics | Lenovo | 4 | NULL | NULL |
| 2 | 14 | Tshirt | Nike sports Tshirt. | 1500 | 5 | Clothing | NULL | NULL | 40 | Black |
| 3 | 15 | SmartPhone | Samsung Galaxy S23 Ultra | 85000 | 4 | Electronics | Samsung | 5 | NULL | NULL |
| 4 | 16 | Track Pant | Stretchable track pant. | 1800 | 6 | Clothing | NULL | NULL | 38 | Grey |
| 5 | 17 | Power Bank | 4000 Mah power bank. | 2200 | 5 | Electronics | Sony | 2 | NULL | NULL |
| 6 | 18 | Hoodie | Addidas warm up hoodie. | 2500 | 7 | Clothing | NULL | NULL | 42 | White |

| | orderId | userId | productId |
|---|---------|--------|-----------|
| 1 | 17 | 11 | 14 |
| 2 | 18 | 11 | 16 |
| 3 | 19 | 12 | 15 |
| 4 | 20 | 12 | 17 |
| 5 | 21 | 13 | 13 |
| 6 | 22 | 14 | 14 |
| 7 | 24 | 14 | 18 |