DATABASE USER INTERFACE OUTPUT

OPENING INTERFACE:

```
The driver name is SQLite JDBC
The connection to the database was successful.
What would you like to do:
[ENTER DATA]
[EDIT]
[DELETE ENTRY]
[SEARCH]
[USEFUL REPORTS]
[QUIT]
```

INSERTING DATA:

```
ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
CUST_ORDER
Enter Each Element of Data Corresponding to the Given List on a New Line:
|Order_Num|Value|Order_Date|Return_date|Return_Status|Inv_Id|Fleet_Id|User_Id|
12345678
50
4/11/2023
4/12/2023
0
INV00001
F0000001
USR00001
Successful Insertion.
```

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
DRONE
Enter Each Element of Data Corresponding to the Given List on a New Line:
|Fleet_Id|Model_Num|Serial_Num|Year|Desc|Warr_Exp|Weight_Cap|Volume_Cap|Dist_Auth|Max_Speed|Status|Addr|City|Supp_Id|
F0000025
12345678
87654321
2021
Small surveillance drone.
4/10/2022
5
10
20
30
1
871 knowhere lane
Columbus
SUP00001
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EMPLOYEE
Enter Each Element of Data Corresponding to the Given List on a New Line:
|Ssn|Fname|Lname|Addr|Phone|Email|Salary|
987654321
Mark
Gemo
654 Hello St.
6143259876
Gemo@Gmail.com
50000
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EQUIPMENT
Enter Each Element of Data Corresponding to the Given List on a New Line:
|Inv_Id|Model_Num|Serial_Num|Year|Desc|Warr_Exp|Type|Weight|Arrival_Date|Size|Addr|City|Supp_Id|
INV00030
87658765
12341234
2020
Welder
3/20/2021
Industrial
10
4/15/2023
M
123 Main St
New York
SUP00001
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_DRONE
Enter Each Element of Data Corresponding to the Given List on a New Line.
|Order_Num|Fleet_Id|
ORD00020
F0000023
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_EQUIP
Enter Each Element of Data Corresponding to the Given List on a New Line.
|Order_Num|Inv_Id|
ORD00040
INV00001
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
INV_ORDER
Enter Each Element of Data Corresponding to the Given List on a New Line.
|Order_Num|Value|Order_Date|Est_DOA|Num_Items|Type|Ssn|
ORD00041
400
4/12/2023
4/20/2023
2
DRONE
123456789
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
MEMBER
Enter Each Element of Data Corresponding to the Given List on a New Line.
|User_Id|Fname|Lname|Addr|Phone|Email|Start_Date|Credit_Card|
USR00021
Hello
Kitty
765 Gumdrop Ln
7654358765
Kitty@Gmail.com
4/13/2023
123456789101
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
REVIEW
Enter Each Element of Data Corresponding to the Given List on a New Line.
|Review_Id|Rating|Text|User_Id|Inv_Id|
REV00030
3
OK
USR00001
INV00001
Successful Insertion.

ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
SUPPLIER
Enter Each Element of Data Corresponding to the Given List on a New Line.
|Supp_Id|Name|Addr|City|
SUP00021
Bad Comp
765 Lane St
Columbus
Successful Insertion.

```
ENTER DATA
What table do you want to ENTER DATA:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
WAREHOUSE
Enter Each Element of Data Corresponding to the Given List on a New Line.
|Addr|City|Mgr_Fname|Mgr_Lname|Phone|Equip_Cap|Drone_Cap|
876 New St
Cleveland
Butch
Cassidy
7434569876
100
50
Successful Insertion.
```

EDITING DATA:

```
EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
CUST_ORDER
Enter the Name of the Attribute you Want to Update from the List Below:
|Order_Num|Value|Order_Date|Return_date|Return_Status|Inv_Id|Fleet_Id|User_Id|
Value
Enter the Order Number of the Customer Order you Want to Update:
COR00001
Enter the New Value of the Attribute you Selected:
100
Successful Update.
```

```
EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
DRONE
Enter the Name of the Attribute you Want to Update from the List Below:
|Fleet_Id|Model_Num|Serial_Num|Year|Desc|Warr_Exp|Weight_Cap|Volume_Cap|Dist_Auth|Max_Speed|Status|Addr|City|Supp_Id|
year
Enter the Fleet ID of the Drone you Want to Update:
F0000001
Enter the New Value of the Attribute you Selected:
1000
Successful Update.
```

EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EMPLOYEE
Enter the Name of the Attribute you Want to Update from the List Below:
|Ssn|Fname|Lname|Addr|Phone|Email|Salary|
Fname
Enter the Ssn of the Employee you Want to Update:
123456789
Enter the New Value of the Attribute you Selected:
Kelly
Successful Update.

EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EQUIPMENT
Enter the Name of the Attribute you Want to Update from the List Below:
|Inv_Id|Model_Num|Serial_Num|Year|Desc|Warr_Exp|Type|Weight|Arrival_Date|Size|Addr|City|Supp_Id|
Type
Enter the Inventory Id of the Equipment you Want to Update:
INV00001
Enter the New Value of the Attribute you Selected:
Playful
Successful Update.

EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_DRONE
Cannot Edit Data in this Table.

EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_EQUIP
Cannot Edit Data in this Table.

```
EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
INV_ORDER
Enter the Name of the Attribute you Want to Update from the List Below:
|Order_Num|Value|Order_Date|Est_DOA|Num_Items|Type|Ssn|
Num_Items
Enter the Order Number of the Inventory Order you Want to Update:
ORD00001
Enter the New Value of the Attribute you Selected:
5
Successful Update.

EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
MEMBER
Enter the Name of the Attribute you Want to Update from the List Below:
|User_Id|Fname|Lname|Addr|Phone|Email|Start_Date|Credit_Card|
Addr
Enter the User Id of the Member you Want to Update:
USR00001
Enter the New Value of the Attribute you Selected:
Bye St
Successful Update.

EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
REVIEW
Enter the Name of the Attribute you Want to Update from the List Below:
|Review_Id|Rating|Text|User_Id|Inv_Id|
Rating
Enter the Review Id of the Review you Want to Update:
REV00001
Enter the New Value of the Attribute you Selected:
2
Successful Update.
```

```
EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
SUPPLIER
Enter the Name of the Attribute you Want to Update from the List Below:
|Supp_Id|Name|Addr|City|
Name
Enter the Supplier Id of the Supplier you Want to Update:
SUP00001
Enter the New Value of the Attribute you Selected:
Lasagna
Successful Update.


EDIT
What table do you want to EDIT:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
WAREHOUSE
Enter the Name of the Attribute you Want to Update from the List Below:
|Addr|City|Mgr_Fname|Mgr_Lname|Phone|Equip_Cap|Drone_Cap|
Phone
Enter the Address, then City on a New Line of the Warehouse you Want to Update:
123 Main St
New York
Enter the New Value of the Attribute you Selected:
9876543210
Successful Update.
```

DELETING A TUPLE:

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
CUST_ORDER
Enter Order_Num:
COR00020
Successful Deletion.
```

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
DRONE
Enter Fleet_Id:
F0000001
Successful Deletion.
```

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EMPLOYEE
Enter Ssn:
123456789
[SQLITE_CONSTRAINT]  Abort due to constraint violation (NOT NULL constraint failed: INV_ORDER.Ssn)
ERROR: INVALID INPUT.
```

Can't delete an employee with an order placed

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EQUIPMENT
Enter Inv_Id:
INV00001
Successful Deletion.
```

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_DRONE
Cannot Delete From this Table.
```

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_EQUIP
Cannot Delete From this Table.
```

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
INV_ORDER
Enter Order_Num:
ORD00001
Successful Deletion.

DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
MEMBER
Enter User_Id:
USR00001
Successful Deletion.

DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
REVIEW
Enter Review_Id:
REV00002
Successful Deletion.

DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
SUPPLIER
Enter Supp_Id:
SUP00001
[SQLITE_CONSTRAINT]  Abort due to constraint violation (NOT NULL constraint failed: EQUIPMENT.Supp_Id)
ERROR: INVALID INPUT.
```

Cant delete a supplier that supplied equipment or drones

```
DELETE ENTRY
What table do you want to DELETE ENTRY:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
WAREHOUSE
Enter Address:
123 Main St
Enter City:
New York
Successful Deletion.
```

SEARCHING FOR DATA:

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
CUST_ORDER
Enter Order_Num:
COR00002
Order_Num,  Value,  Order_Date,  Return_date,  Return_Status,  Inv_Id,  Fleet_Id,  User_Id
COR00002,  2000,  2022-01-02,  2022-01-07,  2,  null,  F0000002,  USR00002
```

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
DRONE
Enter Fleet_Id:
F0000002
Fleet_Id,  Model_Num,  Serial_Num,  Year,  Desc,  Warr_Exp,  Weight_Cap,  Volume_Cap,  Dist_Auth,  Max_Speed,  Status,  Addr,  City,  Supp_Id
F0000002,  M2000000,  S0000022,  2021,  Medium drone for aerial photography,  null,  4,  8,  500,  100,  2,  789 Oak St,  Anotherplace,  SUP00002
```

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EMPLOYEE
Enter Ssn:
123456789
Ssn,  Fname,  Lname,  Addr,  Phone,  Email,  Salary
123456789,  John,  Doe,  123 Main St,  1235551234,  jdoe@email.com,  60000
```

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
EQUIPMENT
Enter Inv_Id:
INV00003
Inv_Id,  Model_Num,  Serial_Num,  Year,  Desc,  Warr_Exp,  Type,  Weight,  Arrival_Date,  Size,  Addr,  City,  Supp_Id
INV00003,  MDL00003,  SER00003,  2022,  Printer,  2026-03-12,  Electronic,  20,  2021-03-03,  S,  789 Oak St,  Anytown,  SUP00003
```

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_DRONE
Enter Order_Num:
ORD00003
Order_Num,  Fleet_Id
ORD00003,  F0000003
```

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
FOR_EQUIP
Enter Order_Num:
ORD00023
Order_Num,  Inv_Id
ORD00023,  INV00003


SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
WAREHOUSE
Enter Addr:
123 Main St
Enter City:
New York
Addr,  City,  Mgr_Fname,  Mgr_Lname,  Phone,  Equip_Cap,  Drone_Cap
123 Main St,  New York,  John,  Doe,  1234567890,  50,  20

SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
MEMBER
Enter User_Id:
USR00001
User_Id,  Fname,  Lname,  Addr,  Phone,  Email,  Start_Date,  Credit_Card
USR00001,  John,  Doe,  123 Main St.,  1234567890,  john.doe@example.com,  2022-01-01,  1234567890123456

SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
REVIEW
Enter Review_Id:
REV00005
Review_Id,  Rating,  Text,  User_Id,  Inv_Id
REV00005,  1,  Horrible experience, would not recommend,  USR00005,  INV00005
```

```
SEARCH
What table do you want to SEARCH:
CUST_ORDER|DRONE|EMPLOYEE|EQUIPMENT|FOR_DRONE
FOR_EQUIP|INV_ORDER|MEMBER|REVIEW|SUPPLIER|
WAREHOUSE
SUPPLIER
Enter Supp_Id:
SUP00003
Supp_Id,  Name,  Addr,  City
SUP00003,  Acme Inc.,  789 Maple Ave,  Chicago
```

USEFUL REPORTS:

```
USEFUL REPORTS
Enter the report you want to see:
REPORTS:
[1]: All equipment rented by a member
[2]: Most popular item
[3]: Most popular Manufacturer
[4]: Drone(s) with most orders
[5]: Top user
[6]: Find equipment by type before year
1
Enter User_Id
USR00002
User,  NumOrders
USR00002,  1

USEFUL REPORTS
Enter the report you want to see:
REPORTS:
[1]: All equipment rented by a member
[2]: Most popular item
[3]: Most popular Manufacturer
[4]: Drone(s) with most orders
[5]: Top user
[6]: Find equipment by type before year
2
Inv_Id,  Time_Rented_Days
INV00001,  8.0
```

Supp_Id, Name, Num_Orders
SUP00001, ABC Company, 2

Fleet_Id, NumOrders
F0000001, 2

User, NumOrders
USR00001, 2

```
USEFUL REPORTS
Enter the report you want to see:
REPORTS:
[1]: All equipment rented by a member
[2]: Most popular item
[3]: Most popular Manufacturer
[4]: Drone(s) with most orders
[5]: Top user
[6]: Find equipment by type before year
6
Enter the type:
Electronic
Enter the year:
2022
EquipmentSelected
Laptop
Desktop
TV
Laptop
Desktop
```

EXITING THE USER INTERFACE:

```
What would you like to do:
[ENTER DATA]
[EDIT]
[DELETE ENTRY]
[SEARCH]
[USEFUL REPORTS]
[QUIT]
QUIT
```