

SparkLynx

Queries for Table Creation

1. USERS Table

```
CREATE TABLE USERS (  
    UserID int PRIMARY KEY,  
    Username varchar(255) NOT NULL,  
    Password varchar(255) NOT NULL,  
    Name varchar(255),  
    ContactDetails varchar(255),  
    UserType varchar(255)  
);
```

2. ADMIN Table

```
CREATE TABLE ADMIN (  
    AdminID int PRIMARY KEY,  
    Password varchar(255) NOT NULL  
);
```

3. PROMOTIONS Table

```
CREATE TABLE PROMOTIONS (  
    PromotionID int PRIMARY KEY,  
    Description varchar(255),  
    DiscountAmount decimal(10,2),  
    StartDate date,  
    EndDate date  
);
```

4. ORDERS Table

```
CREATE TABLE ORDERS (  
    OrderID int PRIMARY KEY,  
    UserID int,  
    PickupLocation varchar(255),  
    DropOffLocation varchar(255),  
    DeliveryTime datetime,  
    AdditionalInstructions text,  
    FOREIGN KEY (UserID) REFERENCES USERS(UserID)  
);
```

5. PAYMENTS Table

```
CREATE TABLE PAYMENTS (  
    PaymentID int PRIMARY KEY,  
    OrderID int,  
    Amount decimal(10,2),  
    PaymentMethod varchar(255),  
    TransactionTime datetime,  
    FOREIGN KEY (OrderID) REFERENCES ORDERS(OrderID)  
);
```

6. RATINGS Table

```
CREATE TABLE RATINGS (  
    RatingID int PRIMARY KEY,  
    UserID int,  
    OrderID int,  
    Rating int,  
    Feedback text,  
    FOREIGN KEY (UserID) REFERENCES USERS(UserID),  
    FOREIGN KEY (OrderID) REFERENCES ORDERS(OrderID)  
);
```

7. CUSTOMER-SUPPORT Table

```
CREATE TABLE CUSTOMER_SUPPORT (  
    TicketID int PRIMARY KEY,  
    UserID int,  
    IssueDescription text,  
    Status varchar(255),  
    Resolution text,  
    FOREIGN KEY (UserID) REFERENCES USERS(UserID)  
);
```

8 .DELIVERY_ASSIGNMENT Table

```
CREATE TABLE DELIVERY_ASSIGNMENT (  
    AssignmentID int PRIMARY KEY,  
    OrderID int,  
    DeliveryPartnerID int,  
    FOREIGN KEY (OrderID) REFERENCES ORDERS(OrderID)  
);
```

9. TRACKING Table

```
CREATE TABLE TRACKING (  
    TrackingID int PRIMARY KEY,  
    OrderID int,  
    Status varchar(255),  
    Location varchar(255),  
    LastUpdated datetime,  
    FOREIGN KEY (OrderID) REFERENCES ORDERS(OrderID)  
);
```

Populating Data into Tables

1. Inserting Data into USERS Table

```
INSERT INTO USERS (UserID, Username, Password, Name, ContactDetails,
    UserType) VALUES
(1, 'raj_patel', 'rajpatel123', 'Raj_Patel', '987-654-3210', 'Customer'),
(2, 'smita_sharma', 'smitasharma456', 'Smita_Sharma', '987-654-3211',
    'Customer'),
(3, 'anil_kumar', 'anilkumar789', 'Anil_Kumar', '987-654-3212',
    'Customer'),
(4, 'meera_gupta', 'meeragupta012', 'Meera_Gupta', '987-654-3213',
    'Delivery'),
(5, 'arjun_singh', 'arjunsingh345', 'Arjun_Singh', '987-654-3214',
    'Customer'),
(6, 'priya_khan', 'priyakhan678', 'Priya_Khan', '987-654-3215', 'Admin'),
(7, 'vivek_reddy', 'vivekreddy901', 'Vivek_Reddy', '987-654-3216',
    'Customer'),
(8, 'nisha_ier', 'nishaiyer234', 'Nisha_Iyer', '987-654-3217',
    'Delivery'),
(9, 'aman_verma', 'amanverma567', 'Aman_Verma', '987-654-3218',
    'Customer'),
(10, 'ritu_das', 'ritudas890', 'Ritu_Das', '987-654-3219', 'Customer');
```

2. Inserting Data into ADMIN Table

```
INSERT INTO ADMIN (AdminID, Password) VALUES
(1, 'adminpass1'),
(2, 'adminpass2'),
(3, 'adminpass3'),
(4, 'adminpass4'),
(5, 'adminpass5'),
(6, 'adminpass6'),
(7, 'adminpass7'),
(8, 'adminpass8'),
(9, 'adminpass9'),
(10, 'adminpass10');
```

3. Inserting Data into PROMOTIONS Table

```
INSERT INTO PROMOTIONS (PromotionID, Description, DiscountAmount,
    StartDate, EndDate) VALUES
(1, 'Spring_Sale', 10.00, '2024-03-01', '2024-03-31'),
(2, 'Summer_Special', 15.00, '2024-06-01', '2024-06-30'),
(3, 'Autumn_Discount', 20.00, '2024-09-01', '2024-09-30'),
(4, 'Winter_Deal', 25.00, '2024-12-01', '2024-12-31'),
(5, 'New_Year_Offer', 30.00, '2025-01-01', '2025-01-10'),
(6, 'Valentine_Promo', 5.00, '2025-02-14', '2025-02-15'),
(7, 'Easter_Eggstravaganza', 10.00, '2025-04-05', '2025-04-06'),
(8, 'Thanksgiving_Thanks', 20.00, '2025-11-27', '2025-11-28'),
(9, 'Holiday_Cheer', 15.00, '2025-12-25', '2026-01-01'),
(10, 'Back_to_School', 10.00, '2025-08-15', '2025-09-15');
```

4. Inserting Data into ORDERS Table

```
INSERT INTO ORDERS (OrderID, UserID, PickupLocation, DropOffLocation,
    DeliveryTime,
    AdditionalInstructions) VALUES
(1, 1, '123_Start_St', '456_End_Ave', '2024-02-12 10:00:00', 'Leave_at_
    front_door.'),
(2, 2, '789_Begin_Blvd', '1011_Finish_Rd', '2024-02-13 11:00:00',
    'Ring_bell_twice.'),
(3, 3, '1213_Commerce_Ct', '1415_Cease_Cr', '2024-02-14 12:00:00',
    'Call_upon_arrival.'),
(4, 4, '1617_Initiate_Ln', '1819_Halt_Hwy', '2024-02-15 13:00:00',
    'Deliver_to_side_door.'),
(5, 5, '2021_Launch_Ave', '2223_Stop_St', '2024-02-16 14:00:00',
    'Leave_in_mail_room.'),
(6, 1, '2425_Embark_Rd', '2627_Pause_Pl', '2024-02-17 15:00:00',
    'Deliver_to_back_porch.'),
(7, 2, '2829_Depart_Dr', '3031_Rest_Rd', '2024-02-18 16:00:00',
    'Deliver_to_reception.'),
(8, 3, '3233_Set_Off_St', '3435_Break_Blvd', '2024-02-19 17:00:00',
    'Leave_with_neighbor.'),
(9, 4, '3637_Start_Out_St', '3839_Relax_Ave', '2024-02-20 18:00:00',
    'Deliver_to_garage.'),
(10, 5, '4041_Go_Ln', '4243_Unwind_UL', '2024-02-21 19:00:00', 'Leave_
    at_back_gate.');
```

5. Inserting Data into PAYMENTS Table

```
INSERT INTO PAYMENTS (PaymentID, OrderID, Amount, PaymentMethod,
    TransactionTime) VALUES
(1, 1, 50.00, 'Credit_Card', '2024-02-12_10:05:00'),
(2, 2, 70.00, 'PayPal', '2024-02-13_11:10:00'),
(3, 3, 30.00, 'Debit_Card', '2024-02-14_12:15:00'),
(4, 4, 20.00, 'Credit_Card', '2024-02-15_13:20:00'),
(5, 5, 100.00, 'Cash', '2024-02-16_14:25:00'),
(6, 6, 60.00, 'Credit_Card', '2024-02-17_15:30:00'),
(7, 7, 80.00, 'PayPal', '2024-02-18_16:35:00'),
(8, 8, 40.00, 'Debit_Card', '2024-02-19_17:40:00'),
(9, 9, 90.00, 'Credit_Card', '2024-02-20_18:45:00'),
(10, 10, 110.00, 'Cash', '2024-02-21_19:50:00');
```

6. Inserting Data into RATINGS Table

```
INSERT INTO RATINGS (RatingID, UserID, OrderID, Rating, Feedback)
    VALUES
(1, 1, 1, 5, 'Excellent_service.'),
(2, 2, 2, 4, 'Good_delivery,_but_late.'),
(3, 3, 3, 3, 'Average_experience.'),
(4, 4, 4, 2, 'Late_delivery,_food_was_cold.'),
(5, 5, 5, 1, 'Unsatisfied_with_the_service.'),
(6, 6, 6, 5, 'Very_prompt_and_courteous.'),
(7, 7, 7, 4, 'Great!_But_a_bit_pricey.'),
(8, 8, 8, 3, 'Okay_service.'),
(9, 9, 9, 2, 'Not_happy_with_the_packaging.'),
(10, 10, 10, 1, 'Order_was_incomplete.');
```

7. Inserting Data into TRACKING Table

```
INSERT INTO TRACKING (TrackingID, OrderID, Status, Location,
    LastUpdated) VALUES
(1, 1, 'In_Transit', 'Location_A', '2024-02-01_10:30:00'),
(2, 2, 'Delivered', 'Location_B', '2024-02-01_11:00:00'),
(3, 3, 'Out_for_Delivery', 'Location_C', '2024-02-01_12:00:00'),
(4, 4, 'In_Transit', 'Location_D', '2024-02-01_09:00:00'),
(5, 5, 'Processing', 'Location_E', '2024-02-01_08:45:00'),
(6, 6, 'Delivered', 'Location_F', '2024-02-01_13:30:00'),
(7, 7, 'Out_for_Delivery', 'Location_G', '2024-02-01_14:00:00'),
(8, 8, 'In_Transit', 'Location_H', '2024-02-01_15:00:00'),
(9, 9, 'Processing', 'Location_I', '2024-02-01_16:00:00'),
(10, 10, 'Delivered', 'Location_J', '2024-02-01_17:00:00');
```

8. Inserting Data into CUSTOMER_SUPPORT Table

```
INSERT INTO CUSTOMER_SUPPORT (TicketID, UserID, IssueDescription,
    Status, Resolution) VALUES
(1, 1, 'Issue_with_order_delivery', 'Open', 'Pending'),
(2, 2, 'Payment_not_processed', 'Closed', 'Refunded'),
(3, 3, 'Incorrect_order_received', 'Open', 'Pending'),
(4, 4, 'Promo_code_not_applied', 'Closed', 'Discount_applied'),
(5, 5, 'Late_delivery', 'Open', 'Pending'),
(6, 6, 'Order_not_received', 'Closed', 'Resent_order'),
(7, 7, 'Damaged_product_complaint', 'Open', 'Pending'),
(8, 8, 'Change_of_delivery_address', 'Closed', 'Address_updated'),
(9, 9, 'Cannot_track_order', 'Open', 'Pending'),
(10, 10, 'Query_about_product', 'Closed', 'Information_provided');
```

9. Inserting Data into DELIVERY_ASSIGNMENT Table

```
INSERT INTO DELIVERY_ASSIGNMENT (AssignmentID, OrderID,
    DeliveryPartnerID) VALUES
(1, 1, 101),
(2, 2, 102),
(3, 3, 103),
(4, 4, 104),
(5, 5, 105),
(6, 6, 106),
(7, 7, 107),
(8, 8, 108),
(9, 9, 109),
(10, 10, 110);
```

Selecting Data from Tables

Selecting Data from TABLE_NAME Table

```
SELECT * FROM TABLE_NAME;
```