SQL Commands

```sql
-- Create the Ola database and switch to it
CREATE DATABASE Ola;
USE Ola;


-- 1. View: All successful bookings
CREATE VIEW Successful_Bookings AS
SELECT *
FROM bookings
WHERE Booking_Status = 'Success';


-- 2. View: Average ride distance for each vehicle type
CREATE VIEW ride_distance_for_each_vehicle AS
SELECT
    Vehicle_Type,
    AVG(Ride_Distance) AS avg_distance
FROM bookings
GROUP BY Vehicle_Type;


-- 3. View: Total number of rides cancelled by customers
CREATE VIEW cancelled_rides_by_customers AS
SELECT COUNT(*) AS total_cancelled_by_customers
FROM bookings
WHERE Booking_Status = 'cancelled by Customer';


-- 4. View: Top 5 customers with highest number of bookings
CREATE VIEW Top_5_Customers AS
SELECT
    Customer_ID,
    COUNT(Booking_ID) AS total_rides
FROM bookings
GROUP BY Customer_ID
ORDER BY total_rides DESC
LIMIT 5;
```

-- 5. View: Number of rides cancelled by drivers due to personal and car-related issues

```sql
CREATE VIEW Rides_cancelled_by_Drivers_P_C_Issues AS
SELECT COUNT(*) AS cancelled_by_driver_personal_car
FROM bookings
WHERE cancelled_Rides_by_Driver = 'Personal & Car related issue';
```

-- 6. View: Max and Min driver ratings for Prime Sedan

```sql
CREATE VIEW Max_Min_Driver_Rating AS
SELECT
 MAX(Driver_Ratings) AS max_rating,
 MIN(Driver_Ratings) AS min_rating
FROM bookings
WHERE Vehicle_Type = 'Prime Sedan';
```

-- 7. View: Retrieve all rides where payment was made using UPI

```sql
CREATE VIEW UPI_Payment AS
SELECT *
FROM bookings
WHERE Payment_Method = 'UPI';
```

-- 8. View: Average customer rating per vehicle type

```sql
CREATE VIEW AVG_Cust_Rating AS
SELECT
    Vehicle_Type,
    AVG(Customer_Rating) AS avg_customer_rating
FROM bookings
GROUP BY Vehicle_Type;
```

-- 9. View: Total booking value of successfully completed rides

```sql
CREATE VIEW total_successful_ride_value AS
SELECT
    SUM(Booking_Value) AS total_successful_ride_value
FROM bookings
WHERE Booking_Status = 'Success';
```

```sql
-- 10. View: All incomplete rides with reason
CREATE VIEW Incomplete_Rides_Reason AS
SELECT
 Booking_ID,
 Incomplete_Rides_Reason
FROM bookings
WHERE Incomplete_Rides = 'Yes';
```