

-- Q1). Retrieve all successful Ride:

```
CREATE VIEW Successful_Ride AS
    SELECT *
        FROM RIDE
       WHERE RIDE_STATUS = 'COMPLETED';

SELECT * FROM SUCCESSFUL_RIDE;
```

-- Q2). Find the average ride distance for each vehicle type:

```
CREATE VIEW Average_Distance AS
    SELECT
        services, AVG(distance) AS Avg_Distance
    FROM
        ride
    GROUP BY services;

SELECT * FROM AVERAGE_DISTANCE;
```

-- Q3). Get the total number of cancelled rides by customers:

```
CREATE VIEW Total_Cancelled_Ride AS
    SELECT
        COUNT(*) AS Cancelled_Ride
    FROM
        ride
    WHERE
        ride_status = 'cancelled';

SELECT * FROM TOTAL_CANCELLED_RIDE;
```

-- Q4). Ratio of Successful Vs Cancelled Ride:

```
CREATE VIEW Ride_Status_Ratio AS
SELECT
    SUM(CASE
        WHEN ride_status = 'completed' THEN 1
        ELSE 0
    END) / SUM(CASE
        WHEN ride_status = 'cancelled' THEN 1
        ELSE 0
    END) AS Ratio
FROM
    ride;
SELECT * FROM RIDE_STATUS_RATIO;
```

-- Q5). List the top 5 Ride_id who booked the highest number of rides:

```
CREATE VIEW HighestBooked_Ride_Id AS
SELECT
    ride_id, COUNT(*) AS Total_Ride
FROM
    ride
GROUP BY ride_id
ORDER BY Total_Ride DESC
LIMIT 5;
```



```
SELECT * FROM HIGHESTBOOKED_RIDE_ID;
```

-- Q6). Get the number of rides which was done by bike and auto :

```
• CREATE VIEW Ride_By_Bike_Auto AS
    SELECT
        services, COUNT(*) AS Total_ride
    FROM
        ride
    WHERE
        services IN ('bike' , 'auto')
    GROUP BY services;

• SELECT * FROM RIDE_BY_BIKE_AUTO;
```

-- Q7). Find the maximum and minimum Ride_Charge by Services:

```
CREATE VIEW Max_Min_Charge AS
    SELECT
        services,
        MAX(ride_charge) AS Max_Charge,
        MIN(ride_charge) AS Min_Charge
    FROM
        ride
    GROUP BY services;

SELECT * FROM MAX_MIN_CHARGE;
```

```
-- Q8. Retrieve all rides where payment was made using GPay , misc_charge >40 and total_Fare is less then 200:
```

```
CREATE VIEW GPay_MiscCharge_TotalFare AS
```

```
SELECT
```

```
*
```

```
FROM
```

```
ride
```

```
WHERE
```

```
payment_method = 'GPay'
```

```
    AND misc_charge > 40
```

```
    AND total_fare < 200;
```

```
SELECT * FROM GPAY_MISCCHARGE_TOTALFARE;
```

-- Q9). Find the average Ride_Charge and Total Rides in July 2024:

```
CREATE VIEW July2024_Data AS
    SELECT
        AVG(ride_charge) AS Avg_Charge, COUNT(*) AS Total_Rides
    FROM
        ride
    WHERE
        date LIKE ('%07-2024');
SELECT * FROM JULY2024_DATA;
```

-- Q10). List all Cancelled rides along with the destination which was cancelled by more than 1 time:

```
CREATE VIEW Cancelled_Ride_Destination AS
    SELECT
        destination, COUNT(destination) AS Total_times
    FROM
        ride
    WHERE
        ride_status = 'cancelled'
    GROUP BY destination
    HAVING Total_times > 1;

SELECT * FROM CANCELLED_RIDE_DESTINATION;
```