SQL INSIGHTS OUTPUT: **NAME: NIKETAN.R**

1.select * from uber_request;

Request_id	Pickup_point	Driver_id	Status	Request_Date	Request_Timestamp	Drop_Date	Drop_Timestam
1	City	1	Trip Completed	11-Jul-16	11:51	11-Jul-16	13:00
3	Airport	2	Trip Completed	11-Jul-16	06:46	11-Jul-16	07:25
5	City	3	Trip Completed	11-Jul-16	10:00	11-Jul-16	10:31
9	Airport	4	Trip Completed	11-Jul-16	13:08	11-Jul-16	13:49
10	Airport	5	Trip Completed	11-Jul-16	07:27	11-Jul-16	08:31
11	Airport	6	Trip Completed	12-Jul-16	05:45	12-Jul-16	06:28
13	City	7	Trip Completed	11-Jul-16	19:31	11-Jul-16	20:41
21	Airport	8	Trip Completed	11-Jul-16	08:18	11-Jul-16	09:18
30	Airport	9	Trip Completed	11-Jul-16	09:08	11-Jul-16	09:52
33	City	10	Trip Completed	12-Jul-16	09:13	12-Jul-16	10:01
34	City	11	Trip Completed	12-Jul-16	14:11	12-Jul-16	15:02

2.select Pickup_point,count(*) as total_requests from uber_request group by Pickup_point; #Total Requests per Pickup Point

Pickup_point	total_requests
City	59
Airport	201

3. select Pickup_point,count(*) as total_requests,

SUM(status='Trip Completed') as completed_trips,

ROUND(100*SUM(status='Trip Completed')/COUNT(*),2) as completion_rate

from uber_request group by Pickup_point; # Completion Rate per Pickup Point

Pickup_point	total_requests	completed_trips	completion_rate
City	59	59	100.00
Airport	201	201	100.00

4. select distinct Driver_id from uber_request where Pickup_point='Airport'; # Drivers Who Picked From Airport

Driver_id
2
4
5
6
8
9
12
13
14
16
17
18

5. select request_date,count(*) as Daily_requests from uber_Request group by Request_date order by Request_date; # Daily Requests

request_date	Daily_requests
11-Jul-16	228
12-Jul-16	30
13-Jul-16	2

6. select Time_of_Day,count(*) as total_requests from uber_request group by Time_of_Day order by total_requests DESC;

Time_of_Day	total_requests
Morning	144
Evening	58
Afternoon	58

7. select Status,count(*) as total_requests from uber_request group by Status order by total_requests DESC; # Requests by Status

Status	total_requests
Trip Completed	260

8.select HOUR(Request_timestamp) as request_hour, count(*) as total_request from uber_request group by request_hour order by request_hour; # Hourly Demand Pattern

request_hour	total_request
0	7
1	3
2	5
3	6
4	12
5	30
6	27
7	21
8	20
9	25
10	11
11	15

9.select Request_date,count(*) as total_requests from uber_request group by request_date order by total_requests DESC LIMIT 1; # Date with Highest Demand

Request_date	total_requests
11-Jul-16	228

10.select Pickup_point,Status,count(*) as count from uber_request group by Pickup_point,Status order by Pickup_point,count DESC; #Pickup Point vs Status Matrix

Pickup_point	Status	count
Airport	Trip Completed	201
City	Trip Completed	59