**PROJECT DESCRIPTION:**

To analyse and give suitable solutions for the given queries through the structured query language.

**APPROACH:**

Understanding the given question and thinking logically and analytically to solve it.

**TECH-STACK USED:**

The software used in these projects is Microsoft Excel for creating a table database and MYSQL for creating a query in SQL language for achieving the solution.

**INSIGHTS:**

By using SQL queries for solving the table data it is easy to separate specific data needed from the table which will be helpful for analytical purposes.

**RESULT:**

By solving the given problems, I have learned to think differently while shorting and aggregating particular data and removing unwanted data to get the required data from the table.

* **THE CAB WAS USED MOSTLY FOR WHICH PURPOSE**

select `CATEGORY`,count(\*)

from newschema.uberdataset

group by `category`;

* The cab was mostly used for business purpode
* **HIGHEST DISTANCE TRAVELLED**

select \* from newschema.uberdataset

where miles IN (SELECT max(MILES)

FROM newschema.uberdataset);

* maximum distance covered is 310.3
* **SELECT THE DATE WHICH HOLDS THE RECORD OF HIGHEST CAB BOOKED**

select `start\_date` ,count(\*) as `number of cab`

from newschema.uberdataset

group by START\_DATE

order by `number of cab`;

* 2-12-2016 is the date where the maximum number of cabs booked
* **ON WHICH DAY OF THE WEEK HIGHEST CAB BOOKED**

SELECT

weekday(`start\_date`) AS Dayofrides ,

COUNT(\*) AS NumberOfSales

from newschema.uberdataset

group by DayoftheWeek

ORDER BY NumberOfrides DESC

;

* On Friday during weekend most people travelled using cab
* **HOW MANY TIMES THE CAB HAVE BEEN BOKED FOR MEETING PURPOSE**

select \* FROM newschema.uberdataset;

SELECT `purpose`, COUNT(\*) FROM newschema.uberdataset

WHERE `PURPOSE`= 'MEETING';

* 187 cabs booked for meeting purpose