#Average Tip Amount by Each day of month

select avg(f.tip\_amount) as Avg\_tip\_amount,dd.pick\_day

from

gentle-presence-312618.uber\_de\_project.fact\_table f

join

gentle-presence-312618.uber\_de\_project.datetime\_dim dd

on f.datetime\_id=dd.datetime\_id

group by dd.pick\_day

order by Avg\_tip\_amount desc

#Fare amount by payment type

select sum(f.fare\_amount),pd.payment\_type\_name from

gentle-presence-312618.uber\_de\_project.fact\_table f join gentle-presence-312618.uber\_de\_project.payment\_type\_dim pd

on f.payment\_type\_id = pd.payment\_type\_id

group by pd.payment\_type\_name

#Number of trip made each day of week

Select count(\*) as Number\_of\_Trips,dd.pick\_weekday

from

gentle-presence-312618.uber\_de\_project.fact\_table f

join

gentle-presence-312618.uber\_de\_project.datetime\_dim dd

on f.datetime\_id=dd.datetime\_id

group by dd.pick\_weekday

#Top 5 longest trips

Select trip\_id,tolls\_amount,total\_amount,td.trip\_distance

from

gentle-presence-312618.uber\_de\_project.fact\_table f

join

gentle-presence-312618.uber\_de\_project.trip\_distance\_dim td

on f.trip\_distance\_id=td.trip\_distance\_id

order by td.trip\_distance desc Limit 5

#Total Revenue for each rate type

Select rd.rate\_code\_name,sum(total\_amount) as Total\_Revenue

from

gentle-presence-312618.uber\_de\_project.fact\_table f

join

gentle-presence-312618.uber\_de\_project.rate\_code\_dim rd

on f.rate\_code\_id=rd.rate\_code\_id

group by rd.rate\_code\_name

#Trip and Fare metrics by ratecode and payment

SELECT rd.rate\_code\_name, pd.payment\_type\_name,

AVG(td.trip\_distance) AS avg\_trip\_distance,

AVG(f.fare\_amount) AS avg\_fare\_amount,

AVG(f.tip\_amount) AS avg\_tip\_amount,

AVG(f.total\_amount) AS avg\_total\_amount

FROM

gentle-presence-312618.uber\_de\_project.fact\_table f

join

gentle-presence-312618.uber\_de\_project.payment\_type\_dim pd

on

f.payment\_type\_id=pd.payment\_type\_id

join

gentle-presence-312618.uber\_de\_project.rate\_code\_dim rd

on f.rate\_code\_id=rd.rate\_code\_id

join gentle-presence-312618.uber\_de\_project.trip\_distance\_dim td

on f.trip\_distance\_id=td.trip\_distance\_id

GROUP BY rd.rate\_code\_name, pd.payment\_type\_name;