Creating table :

1. create table dim\_city (city\_id number,city\_name varchar2(50),country varchar2(20));

1. create table fact\_trip (trip\_uuid varchar2(50),datestr date,product\_type\_name varchar2(50),city\_id number,driver\_uuid varchar2(50),is\_completed varchar2(25),eta number,ata number,ufp\_fare float,fare\_final float);
2. How many city\_ids does uberPOOL operate in?

Sol:- select count(distinct(city\_id))

from fact\_trip

where product\_type\_name='uberPOOL';

\*\*\*\*\*\*\*\*\*\*count(distinct(city\_id))\*\*\*\*\*\*\*\*\*\*\*

11

1. Which city\_id has the highest error in ETA (where error in ETA = {(eta - ata)/ata}) for the given time period?

select \* from(select city\_id,(eta-ata)/ata as ETA

from fact\_trip

order by ETA desc)

where rownum=1;

\*\*\*\*\*city\_id\*\*\*\*\*\*\*ETA\*\*\*\*\*\*\*\*\*\*\*\*

5 0.4289276807980049875311720698254364089776

1. Which is the product type with highest total revenue in SanFrancisco?

select \* from(select product\_type\_name,fare\_final

from fact\_trip order by fare\_final desc)

where rownum=1;

\*\*\*\*\*\*\*product\_type\_name\*\*\*\*\*\*\*\*\*\*\*fare\_final\*\*\*\*\*\*\*\*\*\*\*

uberX 49.31

1. Which are the products in each city where total revenue(fare\_final) > $1000?

select f.product\_type\_name, d.city\_name, sum(f.fare\_final)

from dim\_city d join fact\_trip f on f.city\_id=d.city\_id

group by f.product\_type\_name, d.city\_name

having sum(f.fare\_final)>100;

\*\*\*\*\*\*product\_type\_name\*\*\*\*city\_id\*\*\*\*\*\*\*fare\_final\*\*\*\*\*\*\*\*\*\*

uberPOOL SanAntonio 107.86

1. Get to 2nd highest country by Uber Revenue (fare\_final) for 2nd week of June 2018 across product

select \* from(select d.country, f.fare\_final, rownum as rank

from dim\_city d join fact\_trip f on d.city\_id=f.city\_id

where to\_char(datestr, 'W')=2 order by 2) where mod(rank, 2)=0;

\*\*\*\*max(country)\*\*\*\*\*\*\*fare\_final\*\*\*\*\*\*\*rank\*\*\*\*\*\*\*\*\*

DE 39.78 2

1. Get WOW growth % for US region for June Month. WOW- Week over week .

SQL> select

2 (((select sum(fare\_final) from fact\_trip where to\_char(datestr, 'W')=1)

3 - (select sum(fare\_final) from fact\_trip where to\_char(datestr, 'W')=2))

4 / (select sum(fare\_final) from fact\_trip where to\_char(datestr, 'W')=1)) \* 100 as "Growth%"

5 from fact\_trip group by datestr;

Growth%

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96.3219148

96.3219148

96.3219148

96.3219148

96.3219148

96.3219148

96.3219148

96.3219148

8 rows selected.

1. Growth % = ((Current week fare final - previous week fare final) / previous week fare final) \* 100

SQL> select

2 (((select sum(fare\_final) from fact\_trip where to\_char(datestr, 'W')='1')

3 - (select sum(fare\_final) from fact\_trip where to\_char(datestr, 'W')='2'))

4 / (select sum(fare\_final) from fact\_trip where to\_char(datestr, 'W')='1')) \* 100 as "Growth%"

5 from dual;

Growth%

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96.3219148

4. **Submission :-**

* 1. A brief description of your understanding of data

Here we have two table tact\_trip table and dim\_city table. In this two table initially we are loaded the data. After we have to find revenue of vehicles like uberX or uberPOOL etc. these services are operated in different countrys. Here we have to find the errors and wow growths and how many citys these services are operated.

* 1. Any anomalies you identified in the provided dataset and a brief description of how you identified them and why do you think they are anomalies

In that data iam unable to identifying week over week data. And finding wow growth also difficult.