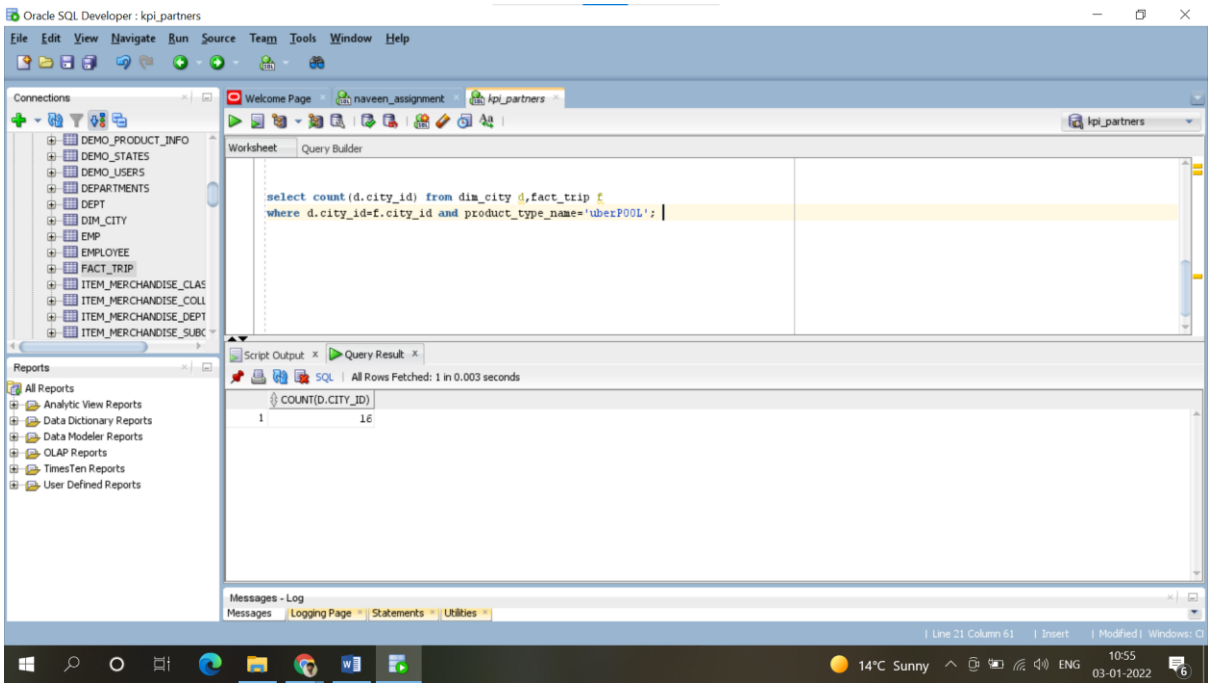
## Q-1: Create the table structure with appropriate data types before loading with SQL Loader.

Create table fact_trip ( trip_uuid varchar2(100), datestr date, product_type_name varchar2(100), city_id number, driver_uuid varchar2(100), is_completed varchar2(100), eta number, ata number, ufp_fare number, fare_final number );

Create table dim_city ( city_id number, city_name varchar2(20), country varchar2(20) );

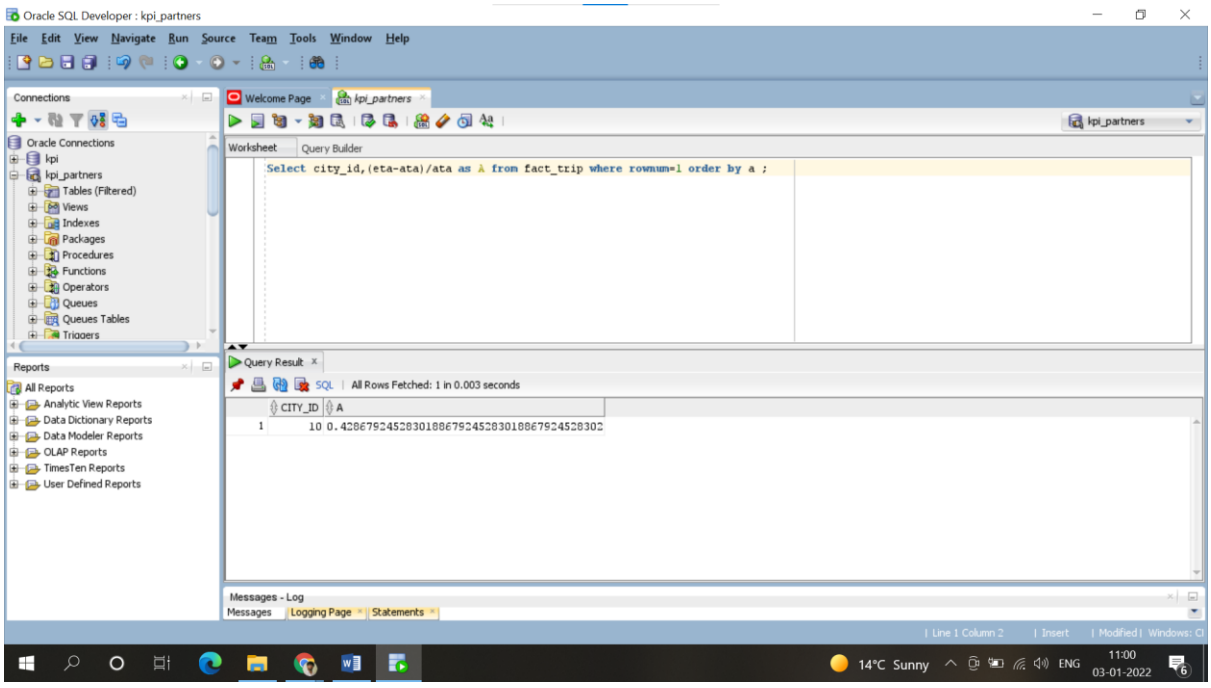
## Q-2: How many city_ids does uberPOOL operate in?

Select count(d.city_id) from dim_city d,fact_trip f where d.city_id=f.city_id and product_type_name='uberPOOL';



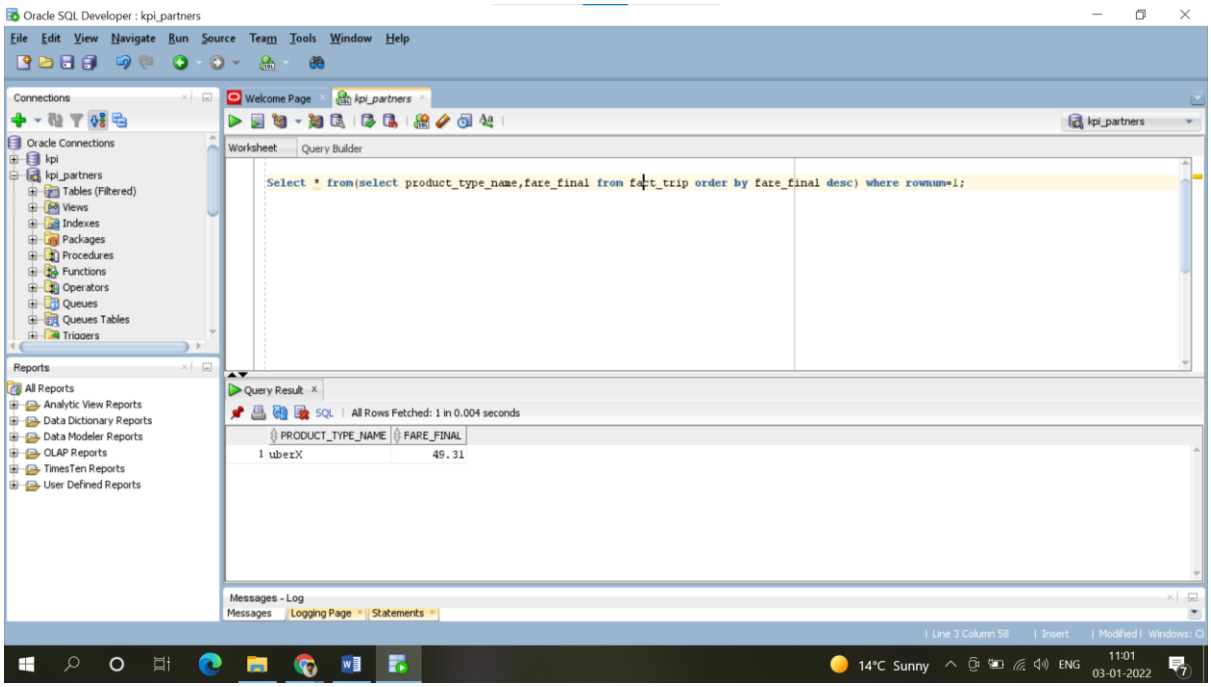
Q-3: Which city_id has the highest error in ETA (where error in ETA = {(eta - ata)/ata}) for the given time period?

Select city_id,(eta-ata)/ata as a from fact_trip where rownum=1 order by a ;



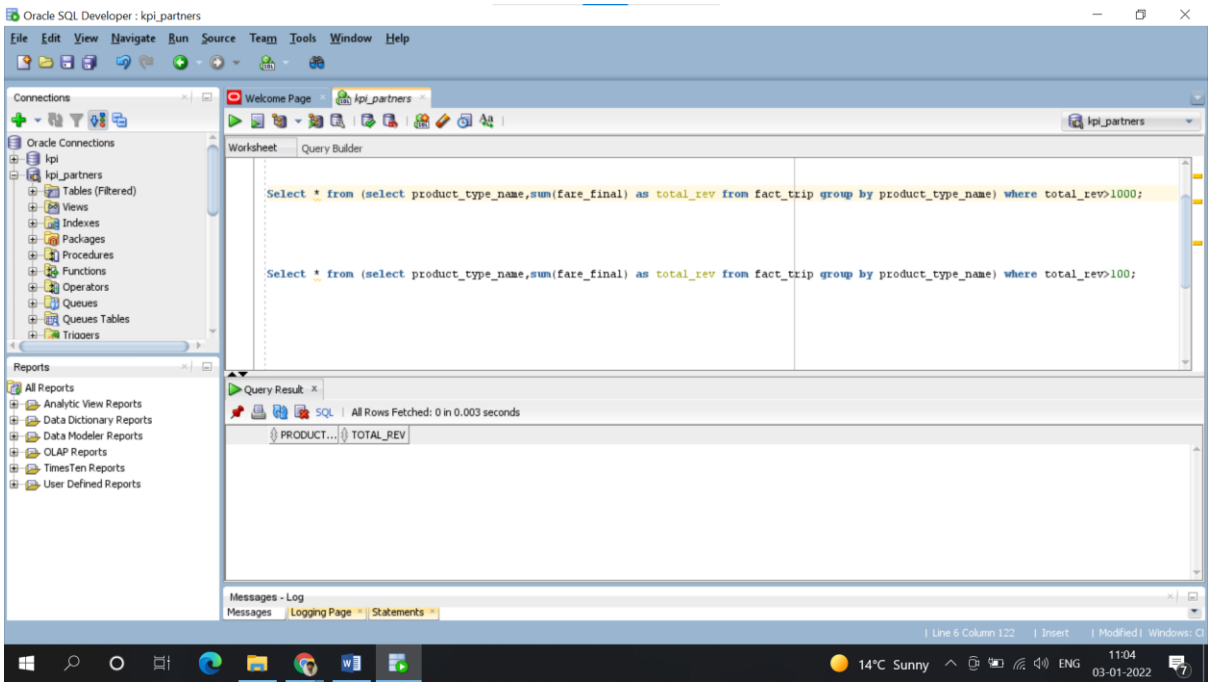
# Q-4: Which is the product type with highest total revenue in SanFrancisco?

Select * from(select product_type_name,fare_final from fact_trip order by fare_final desc) where rownum=1;

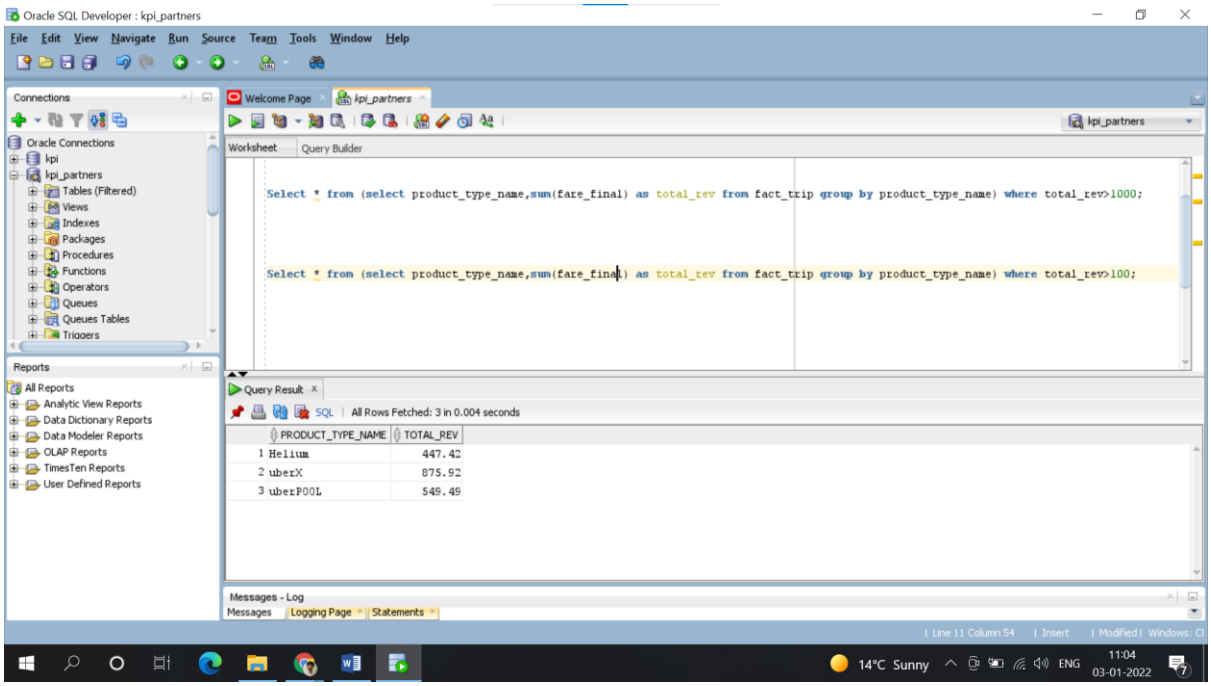


# Q-5: Which are the products in each city where total revenue(fare_final) > $1000?

Select * from (select product_type_name,sum(fare_final) as total_rev from fact_trip group by product_type_name) where total_rev>1000;




Select * from (select product_type_name,sum(fare_final) as total_rev from fact_trip group by product_type_name) where total_rev>100;



## Q-6: 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;
```

## Q-7: Get WOW growth % for US region for June Month. WOW- Week over week .

```
select (((select sum(fare_final) from fact_trip where to_char(datestr, 'W')=1) - (select sum(fare_final) from fact_trip where to_char(datestr, 'W')=2)) / (select sum(fare_final) from fact_trip where to_char(datestr, 'W')=1)) * 100 as "Growth%" from fact_trip where to_char(datestr,'W')=2 group by to_char(datestr,'W');
```

## Q-8:Growth % = ((Current week fare final - previous week fare final) / previous week fare final) * 100.

```
select (((select sum(fare_final) from fact_trip where to_char(datestr, 'W')='1') - (select sum(fare_final) from fact_trip where to_char(datestr, 'W')='2')) / (select sum(fare_final) from fact_trip where to_char(datestr, 'W')='1') *100 ) as "Growth%" from dual;
```