QUERY PRACTICE TASK 2

-- 1. Join (with inner join) together person, personphone, businessentity and phonenumber type in the persons schema. Return first name, middle name, last name, phone number and the name of the phone number type (home, office, etc.) Order by business entity id descending.

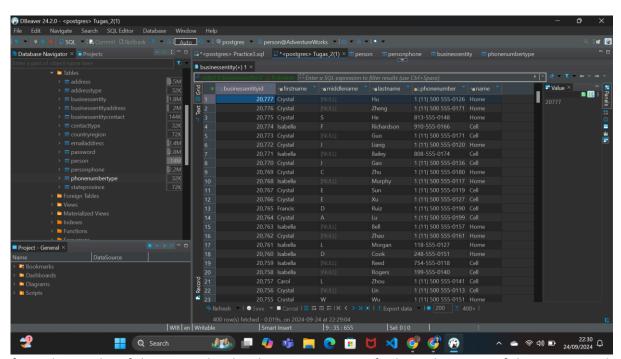
select b.businessentityid , p.firstname , p.middlename , p.lastname , p2.phonenumber , p3."name"

from person *p*

inner join personphone p2 **on** p.businessentityid = p2.businessentityid

inner join businessentity b **on** p.businessentityid = b.businessentityid

inner join phonenumbertype p3 **on** p2.phonenumbertypeid = p3.phonenumbertypeid **order by** b.businessentityid **desc**;



from the results of the query that has been run, we can find out the name of the person and the type of phone number.

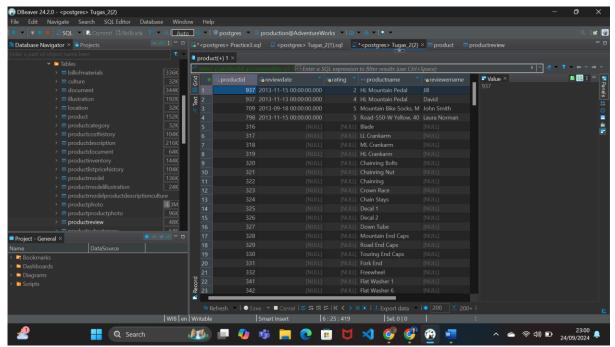
-- 2. Join product and productreview in the schema table. Include every record from product and any reviews they have. Return the product name, review rating and comments. Order by rating in ascending order.

select *p*.productid ,*p*2.reviewdate, *p*2.rating, *p*."name" **as** *productname* , *p*2.reviewername , *p*2."comments"

from product *p*

left join productreview *p2* **on** *p*.productid = *p2*.productid

order by p2.rating asc;



The results of the query that has been run will show all products, whether there are reviews or not. The results of the query show data on" how the customer reviews the product that they have bought, through ratings and comments.

-- 3. Use a right join to combine workorder and product from production schema to bring back all products and any work orders they have. Include the product name and workorder orderqty and scrappedqty fields. Order by productid ascending.

select w.productid ,p.productnumber , p."name" **as** productname , w.orderqty , w.scrappedqty ,

p.safetystocklevel, p.reorderpoint, w.enddate - w.startdate as duration, w.duedate

from workorder w

right join product *p* **on** *w*.productid = *p*.productid

order by w.productid asc;

