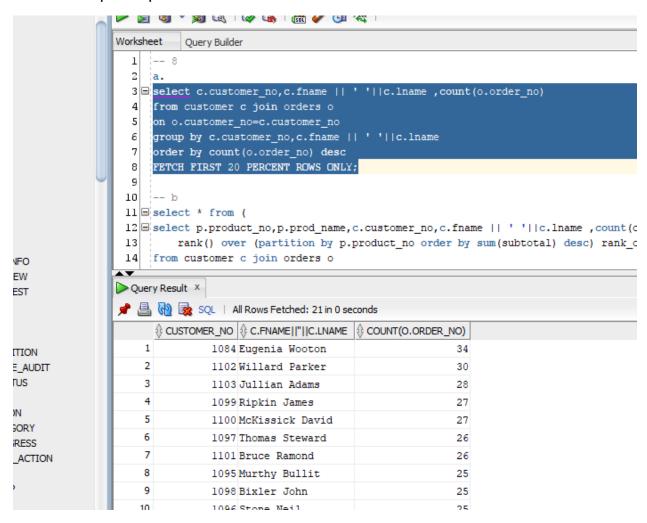
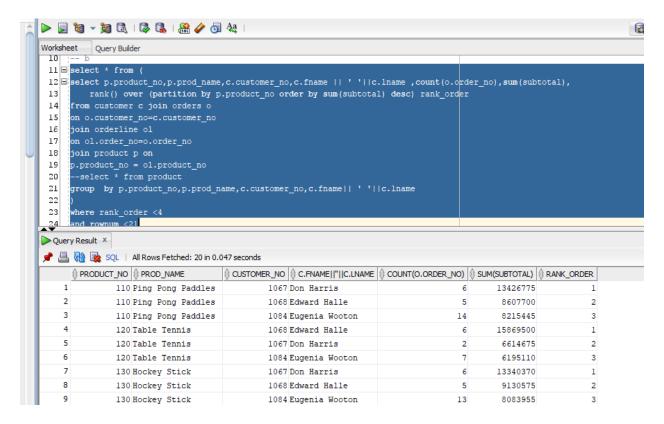
## Q8: Advanced Query Processing: sUsing your database, answer the following querie

1.List the top 25% percent of customers in terms of total number of orders

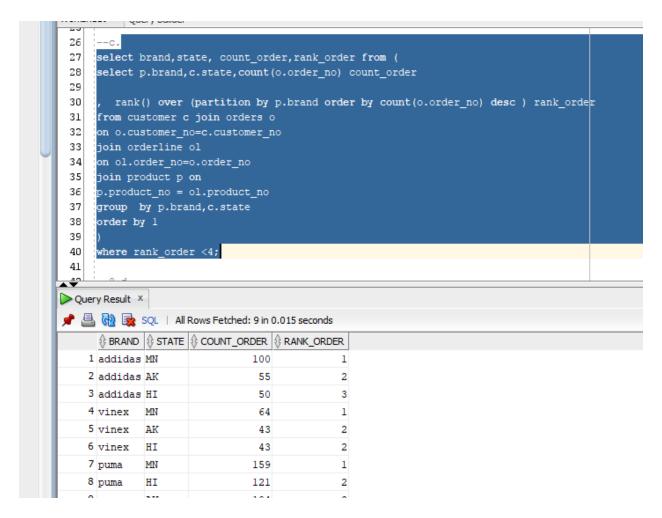


For each product (product number and product description),



List the top three customers purchased in term of net sales

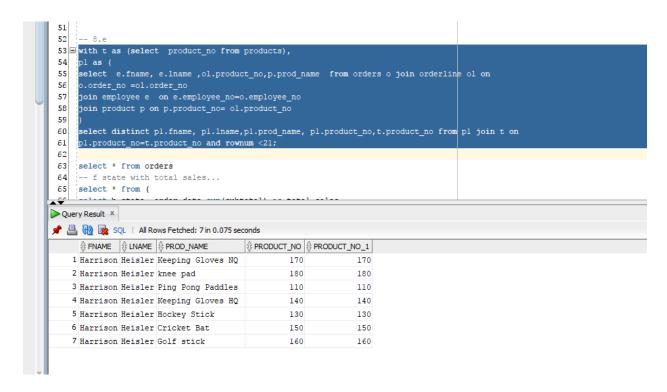
8.c: For each product brand, List the top three states which customers have purchased the product brand. This should be done in term of gross sales (don't include tax or shipping charges)



8.d: List those customers that their orders included all of our products

```
41
 43 ☐ with t as (select product_no from products),
 45 select c.fname, c.lname ,ol.product_no,o.order_no from orders o join orderline ol on
 46 o.order_no =ol.order_no
 47 join customer c on c.customer_no=o.customer_no
 48
 49 select p.fname, p.lname, p.product_no,p.order_no,t.product_no from p join t on
 50 p.product_no=t.product_no and rownum <21;</pre>
 51
 52 -- 8.e ·
 53 with t as (select product_no from products),
    select e.fname, e.lname, ol.product_no,p.prod_name from orders o join orderline ol on
 56 o.order_no =ol.order_no
Query Result X
📌 📇 🙀 🗽 SQL | All Rows Fetched: 20 in 0 seconds
     1 Jensen Maria
                         180 1197
                       180
                                1200
   2 Edward Halle
                                                180
                      180
   3 Jensen Maria
                                  1204
                                                180
                       180
   4 Michael Bond
                                  1208
                                                180
                               1212
          Doering
                    180
                                                180
                        180
180
   6 Edward Halle
                                  1214
                                                180
   7 Roerig Jake
                                  1217
                                                180
    8 Jensen Maria
                          180
                                   1218
                                                180
    9 Donn
          Jenkins
                          180
                                   1220
                                                180
```

8.e: List those employees that have sold all products



8..f: List every states with their highest total sale

```
62
 63 select * from orders
 64
     -- f state with total sales...
     select * from (
 65
     select b.state, order_date,sum(subtotal) as total_sales
 66
     rank () over (partition by state order by sum(subtotal) desc) ranks
 67
 68
     from orders o
 69
     join branch b on
 70
     b.BRANCH_NO=o.branch_no
 71
     group by o.order_date,b.state
 72
 73
     where ranks =1
Query Result X
📌 🖺 🙀 🔯 SQL | All Rows Fetched: 13 in 0 seconds
      1232680
    1 AK
             30-AUG-03
                                           1
    2 AZ
             06-NOV-03
                             2317425
                                           1
    3 CA
             01-APR-03
                              484515
                                           1
    4 CO
            19-JUN-03
                              4187270
                                           1
    5 DC
             04-MAR-03
                              3007140
                                           1
    6 DE
            10-JUN-03
                            17862595
                                           1
    7 FL
            11-JUN-03
                              6601480
                                           1
    8 HI
                                           1
            14-JUN-03
                             1892395
    9 ID
             03-APR-03
                             2658640
   10 IL
             08-JUN-03
                             2297530
                                           1
   11 MN
            19-JUN-03
                              4351580
   12 NV
             18-JUN-02
                              2047250
                                           1
   13 OR
            16-AIIG-02
                              3903475
```