-- Q1 P>AVG

select p\_code , p\_priCE

FROM Product\_T

where p\_price > (select AVG(p\_price) from product\_T)

ORDER BY P\_PRICE DESC;

-- Q2 MIN p\_onhand && max P\_dis

SELECT \*

FROM PRODUCT\_T

where p\_onhand = (select min(p\_onhand) from produCT\_T) OR

P\_DISCOUNT = (select max(p\_discount) from product\_T) ;

-- Q3 \_\_ PRODUCTS supplied by vendors where P\_code starts with B

Select \*

from product\_T

where v\_code in (select v\_code from product\_T where p\_code LIKE 'B%')

-- Q4 -- group by , must have names mentioned in select and in group by

select v\_contact, v\_areacode, v\_phonenumber , count(p\_code)

from product\_T LEFT outer join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

group by vendor\_T.V\_code , V\_contact, v\_areacode,V\_phonenumber

having count(p\_code) >1 ;

-- Q5

select avg(p\_price) as AVGINtexas, MAX(P\_DISCOUNT) AS maxDiscountInTexas

from product\_T full outer join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

where v\_state = 'TX' ;

-- Q6

select v\_contact, v\_areacode, v\_phonenumber,count(\*)

from product\_T full outer join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

where p\_onhand < p\_min

group by vendor\_T.v\_code , v\_contact, v\_areacode, v\_phonenumber

--Q7 --- most expensive product for each vendor. Mutli table sub query

select \*

from product\_T inner join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

where (product\_T.v\_code,p\_price) IN

( select product\_t.v\_code,max(p\_price)

from product\_T inner join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

group by product\_t.v\_code)

-- Q8

select \* from product\_T inner join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

where (p\_onhand \* p\_price) =

(select max(p\_onhand \* P\_price)

from product\_t )

--- Q9

select vendor\_T.v\_code , v\_contact , p\_code

from product\_T right outer join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

order by vendor\_T.v\_code

-- Q10 print phone of vendors where

SELECT v\_areacode, v\_phonenumber, avg(p\_price)

FROM PRODUCT\_T full outer join vendor\_T on product\_T.v\_code = vendor\_T.v\_code

group by product\_T.v\_code , v\_areacode, v\_phonenumber

having avg(P\_price ) > ALL (SELECT AVG(p\_price) FROM PRODUCT\_T where v\_code is null )