-- Using a sub query in the SELECT statement  
----- allows you to get an aggregate function in a column without using GROUP BY  
  
select PRO\_NUM,  
 REFERENCE\_NUM,  
 (select *round*(*avg*(INVOICE\_TOTAL), 2) from ALJEX\_T) as "AVG INVOICE TOTAL"  
  
from ALJEX\_T  
  
where PICKUP\_APPOINTMENT\_DATE = *trunc*(*sysdate*);  
  
  
-- Using a sub query in the FROM statement  
----- Inner query gets: volume of each Frito Lay customer in past 50 days  
----- Outer query gets: the average of the (volume of the Frito Lay customer in past 50 days)  
  
select 'FRITO LAY CUSTOMERS' as CUSTOMER,  
 *round*(*avg*(SUB.VOLUME), 2) as "AVG VOLUME"  
FROM  
  
(select ALJEX\_CUST\_T.NAME as CUSTOMER,  
 *count*(ALJEX\_T.PRO\_NUM) as VOLUME  
from ALJEX\_T  
join ALJEX\_CUST\_T  
on ALJEX\_T.CUSTOMER\_ACCOUNT\_NUM = ALJEX\_CUST\_T.ACCOUNT\_NUM  
where PICKUP\_APPOINTMENT\_DATE between *trunc*(*sysdate*-50) and *trunc*(*sysdate*)  
and ALJEX\_CUST\_T.NAME like 'FRITO%'  
group by ALJEX\_CUST\_T.NAME) SUB;  
  
  
-- Using a sub query in the WHERE statement  
----- used to get all data from a table (ALJEX\_T) with a condition from another table (ALJEX\_CUST\_T) without JOIN  
-------- query gets all (todays) data from ALJEX\_T for only FRITO LAY customer accounts  
  
select \*  
  
from ALJEX\_T  
  
where ALJEX\_T.CUSTOMER\_ACCOUNT\_NUM in (select ALJEX\_CUST\_T.ACCOUNT\_NUM from ALJEX\_CUST\_T where ALJEX\_CUST\_T.NAME like 'FRITO%')  
and ALJEX\_T.PICKUP\_APPOINTMENT\_DATE = *trunc*(*sysdate*);