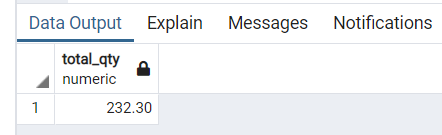
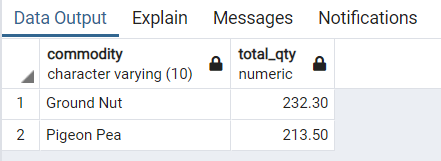
**--1 What is the total qty of Ground Nut purchased in 2019?**

select sum(qty\_in\_quintal) as total\_qty from purchase where commodity= 'Ground Nut' and extract(year from invoice\_date)=2019;



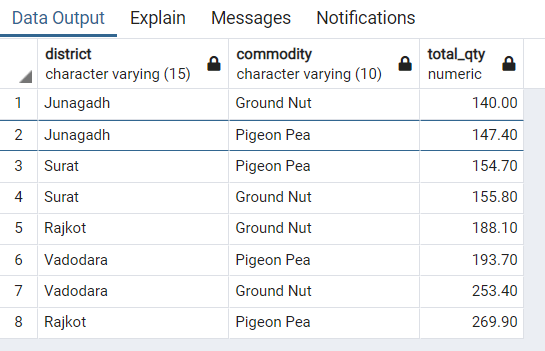
**--2 what is the total qty of commodities purchased in 2019?**

select commodity, sum(qty\_in\_quintal) as total\_qty from purchase where extract(year from invoice\_date)=2019 group by commodity;



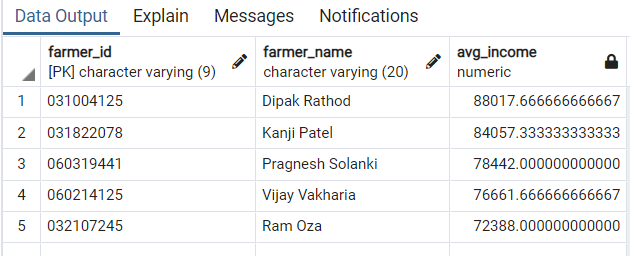
**--3. What is the Total Qty of commodity purchased by each district?**

select district,commodity,sum(qty\_in\_quintal) as total\_qty from farmers as f join purchase as p on f.farmer\_id=p.farmer\_id group by district,commodity order by total\_qty asc;



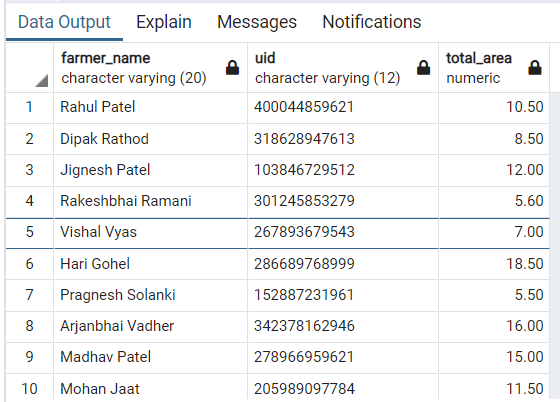
**--4. What is the avg income of the five highest earning farmers?**

select f.farmer\_id,farmer\_name, avg(payable\_amt) as Avg\_income from farmers as f join purchase as p on f.farmer\_id=p.farmer\_id group by f.farmer\_id order by Avg\_income desc limit 5;



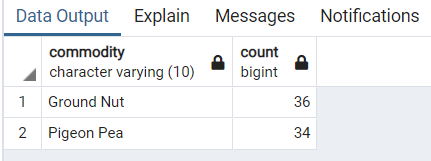
**--5. List the farmers having land area more than five acre.**

select \* from (select farmer\_name, UID, sum(land\_area\_in\_acre) as Total\_area from farmers group by UID,farmer\_name) as T where Total\_area>5;



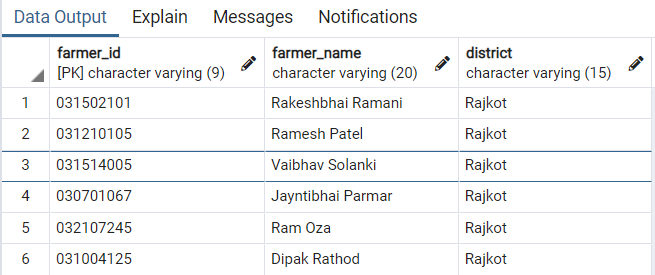
**--6. How many Farmers are getting benefitted from SCSCL?**

select commodity, count(farmer\_id) from (select distinct farmer\_id,commodity from Purchase) as A group by commodity;



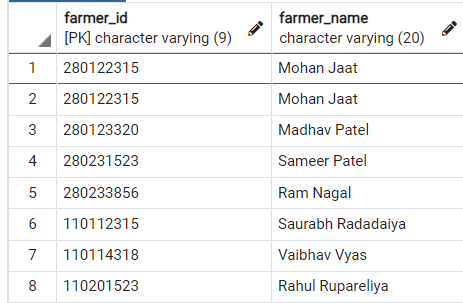
**--7. List the farmers having land in Rajkot.**

select Farmer\_id,farmer\_name,district from farmers where district = 'Rajkot';



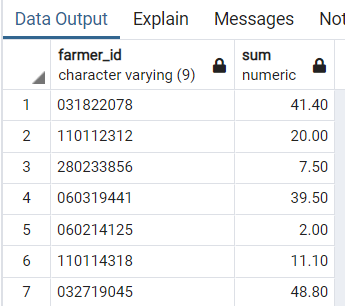
**--8. List the farmers selling Ground Nut between 25-oct-2020 and 25- oct-2021.**

select f.farmer\_id,farmer\_name from farmers as f join purchase as p on f.farmer\_id=p.farmer\_id where invoice\_date between '2020-10-25' and '2021-10-25' and commodity='Ground Nut';



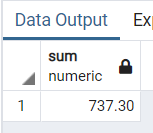
**--9. How much quantity of Pigeon Pea was purchased from a farmer in the kharif season of all years?**

select farmer\_id,sum(qty\_in\_quintal) from purchase where commodity = 'Pigeon Pea' group by farmer\_id;



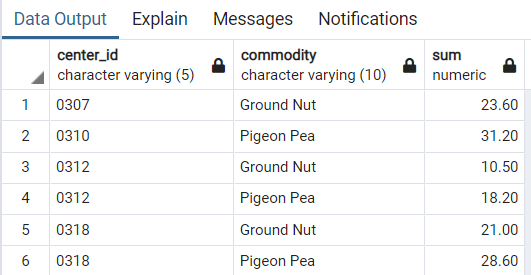
**--10. What is total qty of Ground Nut purchased in all years?**

select sum(qty\_in\_quintal) from purchase where commodity = 'Ground Nut';



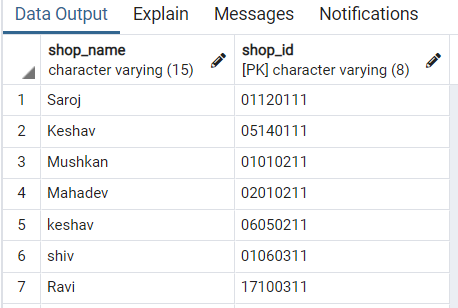
**--11. What is the total quantity of each commodity that every center got in 2021?**

select center\_id, commodity, sum(qty\_in\_quintal) FROM purchase where extract(year from invoice\_date)=2021 group by center\_id , commodity order by center\_id;



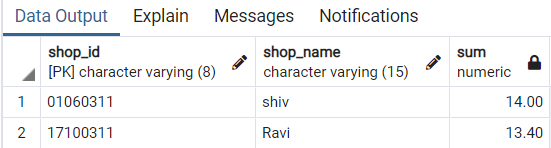
**--12. List the shops in Junagadh district.**

select shop\_name,shop\_id from shop where district = 'Junagadh';



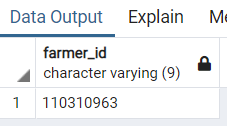
**--13. What is the total quantity of commodities transferred to the shops in ‘Vanthali’ taluka between 25th October 2020 and 25th October 2021?**

select s.shop\_id,shop\_name,sum(qty\_in\_quintal) from shop as s join shop\_transport as t on s.shop\_id=t.shop\_id where taluka ='Vanthali' and tp\_date between '2020-10-25' and '2021-10-25' group by s.shop\_id, shop\_name;



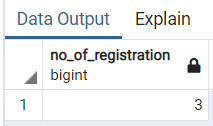
**--14. List the farmers who do not sell their commodities to SCSCL.**

select distinct farmer\_id from farmers group by farmer\_id except (select distinct farmer\_id from purchase group by farmer\_id );



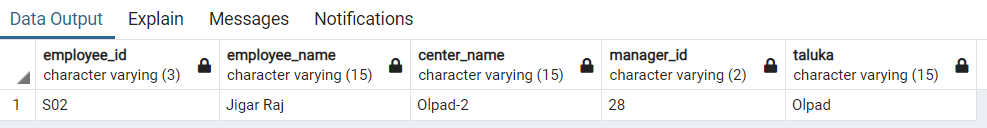
**--15. What are the total number of registrations on uid = '401212347894'?**

select count(farmer\_id) as No\_of\_registration from farmers where uid='401212347894';



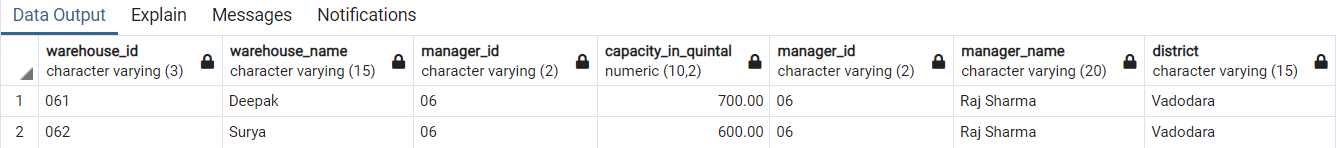
**--16. Details of employees working at Olpad-2 center.**

select employee\_id,employee\_name,center\_name,manager\_id,taluka from employee as e join center as c on e.center\_id=c.center\_id where center\_name='Olpad-2';



**--17. Which warehouses are managed by Raj Sharma?** select \* from warehouse as w join manager as m on

w.manager\_id=m.manager\_id where manager\_name='Raj Sharma';



**--18. list of employees managed by all the managers.**

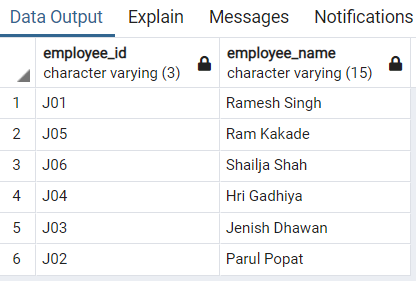
select employee\_id,employee\_name from

(select center\_id,manager\_id from center union select warehouse\_id,manager\_id from warehouse)

as M join

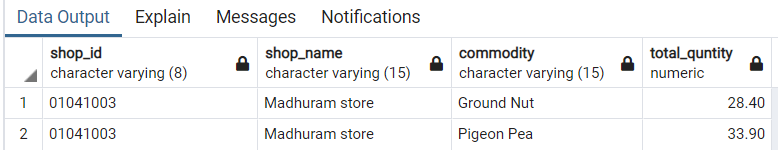
(select center\_id,employee\_id,employee\_name from employee union select warehouse\_id,employee\_id,employee\_name from employee)

as E on M.center\_id = E.center\_id where manager\_id = '11';



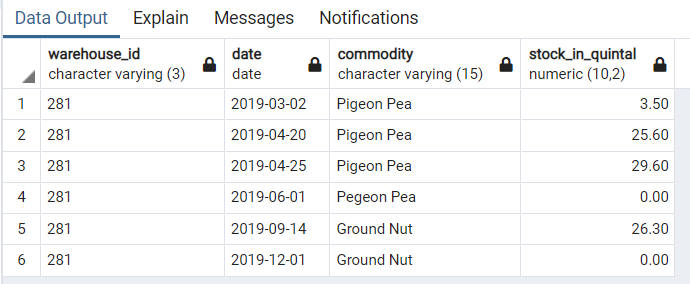
**--19. What was the total quantity of commodity that a shop having ID 01041003 got in all the years?**

select s.shop\_id,s.shop\_name,st.commodity,sum(qty\_in\_quintal) as total\_quntity from shop as s join shop\_transport as st on s.shop\_id=st.shop\_id where s.shop\_id='01041003' group by(s.shop\_id,st.commodity);



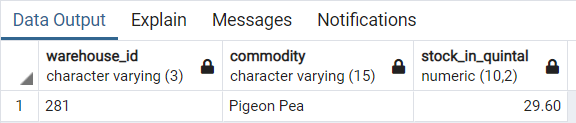
**--20. List the stock availability on every date in the warehouse having id 281.**

select warehouse\_id, date, commodity, stock\_in\_quintal from stocks where warehouse\_id='281' and extract(year from date)=2019;



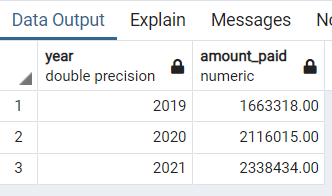
**--21. What is the stock on 05-May-2019?**

select warehouse\_id, commodity, stock\_in\_quintal from stocks where warehouse\_id='281' and date<='2019-05-05' order by date desc limit 1;



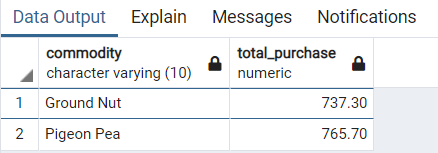
**--22. What is the total amount that SCSCL paid to all the farmers every year?**

select extract(year from invoice\_date) as year, sum(payable\_amt) as Amount\_paid from purchase group by extract(year from invoice\_date) order by year;



**--23. What is the total quantity of Ground Nut or Pigeon Pea purchased from a farmers?**

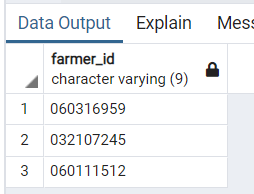
select commodity , sum(qty\_in\_quintal) as total\_purchase from purchase group by commodity;



**--24. List the farmers who sell Pigeon Pea but not Ground Nut.**

select farmer\_id from purchase where commodity = 'Pigeon Pea' except

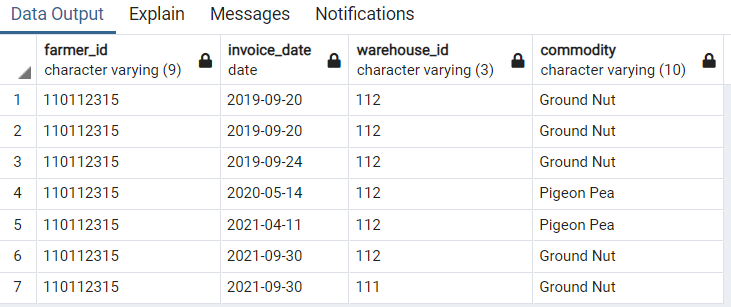
select farmer\_id from purchase where commodity = 'Ground Nut';



**--25. Farmer having id 110112315 transported his commodity to which warehouse?**

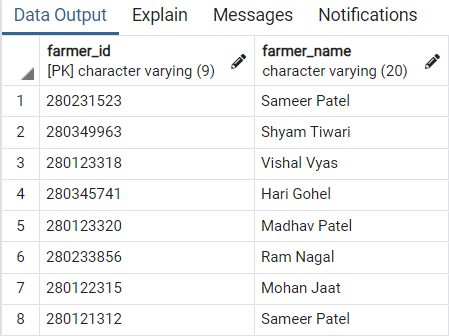
select farmer\_id,invoice\_date,warehouse\_id,P.commodity

from purchase as P join wh\_transport as W on P.invoice\_no = W.invoice\_no where farmer\_id = '110112315';



**--26. List the farmers whose commodities got transported to a warehouse having id 281.**

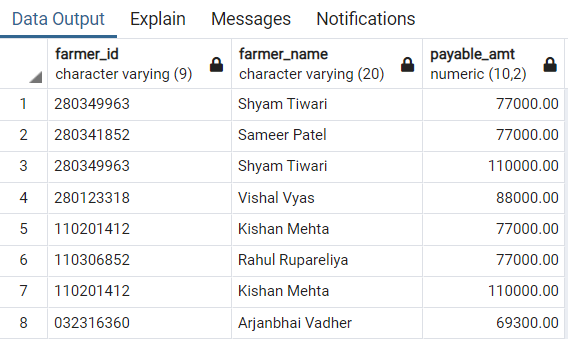
select distinct f.farmer\_id,farmer\_name from farmers as f join purchase as p on f.farmer\_id=p.farmer\_id join wh\_transport as wt on p.invoice\_no=wt.invoice\_no where warehouse\_id='281';



**--27. List the farmers who got paid more than 50,000 in 2020**.

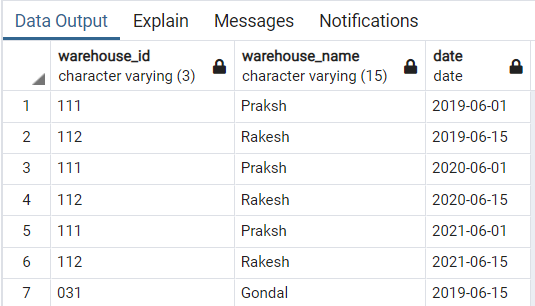
select f.farmer\_id,f.farmer\_name,payable\_amt from farmers as f join

purchase as p on f.farmer\_id=p.farmer\_id where payable\_amt>50000 and extract(year from invoice\_date)='2020';



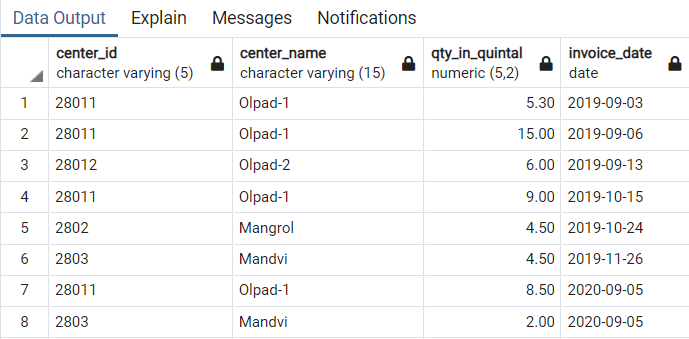
**--28. Display the date and warehouse on which the stock of Pigeon Pea becomes zero.**

select s.warehouse\_id,w.warehouse\_name,date from stocks as s join warehouse as w on s.warehouse\_id=w.warehouse\_id where stock\_in\_quintal=0 and commodity='Pigeon Pea';



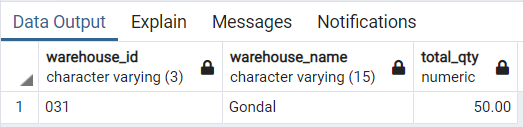
**--29. List the centers who have purchased commodities less than 51 quintal.**

select c.center\_id,center\_name,qty\_in\_quintal,invoice\_date from purchase as p join center as c on p.center\_id=c.center\_id where commodity='Ground Nut' and season='Kharif' and qty\_in\_quintal<50;

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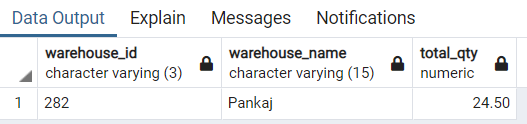
**--30. Which warehouse had maximum quantity of Pigeon Pea in 2019?**

select s.warehouse\_id,w.warehouse\_name,sum(s.in\_qty\_in\_quintal) as total\_qty from warehouse as w join stocks as s on w.warehouse\_id=s.warehouse\_id where commodity='Pigeon Pea' and extract(year from s.date)='2019' group by (s.warehouse\_id,w.warehouse\_name) order by (total\_qty) desc limit 1;



**--31. Which warehouse had minimum quantity of Ground Nut in 2020?**

select s.warehouse\_id,w.warehouse\_name,sum(s.in\_qty\_in\_quintal) as total\_qty from warehouse as w join stocks as s on w.warehouse\_id=s.warehouse\_id where commodity='Ground Nut' and extract(year from s.date)='2020' group by (s.warehouse\_id,w.warehouse\_name) order by (total\_qty) asc limit 1;



**--32. What is the average production of Ground Nut Per acre?**

select district,(sum(qty\_in\_quintal)/sum(land\_area\_in\_acre)) as avg\_production\_per\_acre from farmers as f join purchase as p on f.farmer\_id=p.farmer\_id where commodity='Ground Nut' group by (district);

