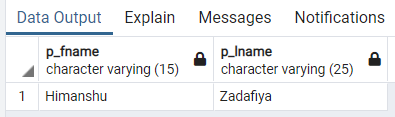
**1. Display name of the patient who has requested A+ve Blood group.**

select p\_fname,p\_lname from patient p join request r on p.p\_id=r.p\_id where r\_blood\_group='A Positive';

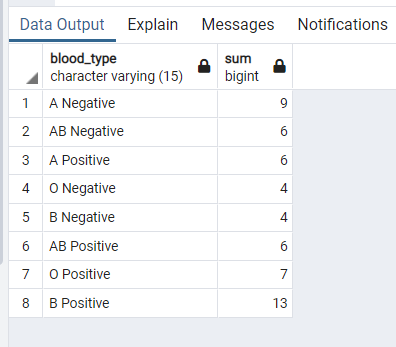
**Output :**



**2.Display blood stock of every available blood type.**

select blood\_group,sum(blood\_stock) from inventory group by blood\_group;

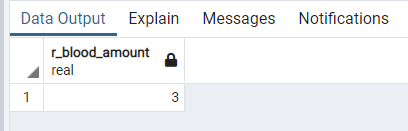
**Output :**



**3.Display the total no.of units requested for B-ve bldtype on date='2021-11-18'.**

select r\_blood\_amount from request where r\_blood\_group='B Negative' and r\_date='2021-11-18'

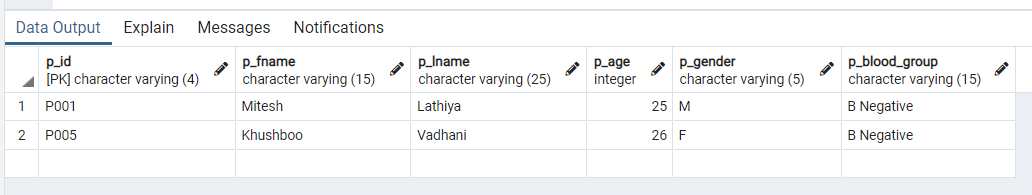
**Output :**



**4.Display the details of patient those who has requested for B-ve blood type.**

select p.p\_id,p\_fname,p\_lname,p\_age,p\_gender,p\_blood\_group from patient p join request r on p.p\_id=r.p\_id where r\_blood\_group='B Negative'

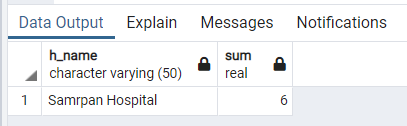
**Output :**



**5.Display the Name of the hospital who has requested highest unit of the blood.**

select h.h\_name,sum(r\_blood\_amount) from hospital h join request r on h.h\_id=r.h\_id group by h.h\_id order by h.h\_name desc limit 1;

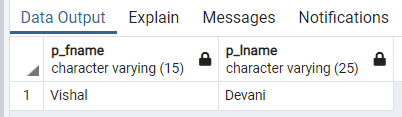
**Output :**



**6.Display Patient name who trasnactio id='tr02'.**

select p\_fname,p\_lname from patient p natural join payment p1 where p1.t\_id='tr02'

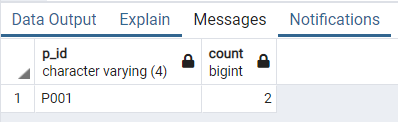
**Output :**



**7.Display the patient transaction details whose pay more then one time.**

select p\_id,count(p\_id) from payment group by p\_id having count(p\_id)>1;

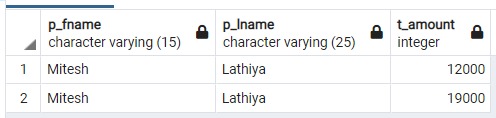
**Output :**



**8.Display the patient details and amount who pay more than one time.**

select p\_fname,p\_lname,p1.t\_amount from patient p join payment p1 on p.p\_id=p1.p\_id where p.p\_id in (select p\_id from payment group by p\_id having count(p\_id)>1);

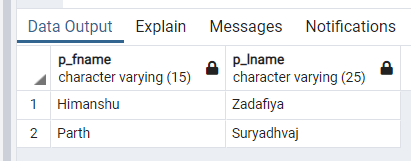
**Output :**



**9.Display the number of patient having disease='Diabetes'.**

select p\_fname,p\_lname from patient natural join patient\_disease where p\_disease='Diabetes'

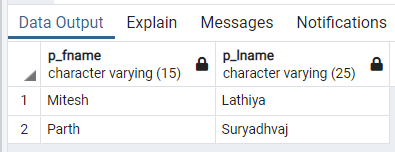
**Output :**



**10.Display the patient name who have more than one disease.**

select p\_fname,p\_lname from patient where p\_id in (select p\_id from patient\_disease group by p\_id having count(p\_id)>1)

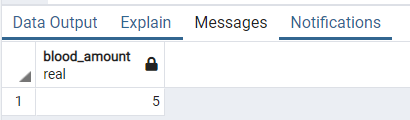
**Output :**



**11.Display the number of blood request in a given month(Octomber'2021).**

select sum(r\_blood\_amount) as blood\_amount from request where EXTRACT(MONTH FROM r\_date)=10;

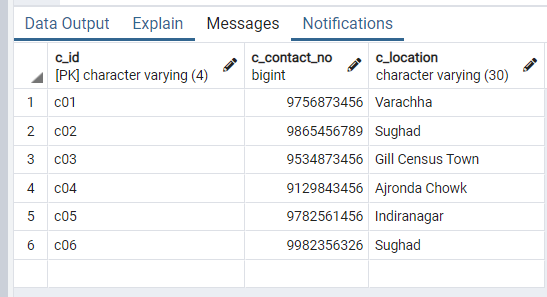
**Output :**



**12.Display all the camp organize in year=2021.**

select c\_id,c\_contact\_no,c\_location from camp where EXTRACT(YEAR FROM c\_date)=2021;

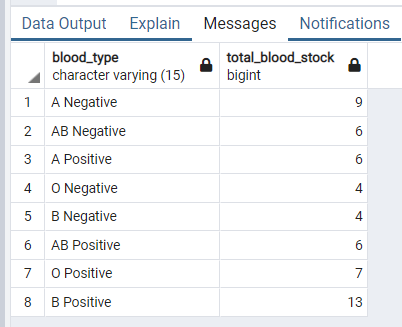
**Output :**



**13.Calculate Blood stock for each blood group.**

select blood\_group,sum(blood\_stock)as Total\_blood\_Stock from inventory group by blood\_group;

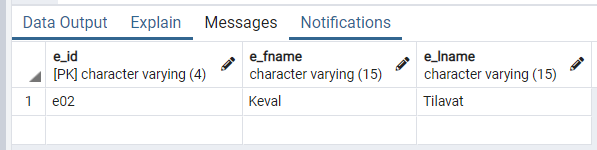
**Output :**



**14.Display the Details of Employee who work in camp on date=2021-11-18.**

select e\_id,e\_fname,e\_lname from employee e join department d on e.dept\_id=d.dept\_id join camp c on d.dept\_id=c.dept\_id where c\_date='2021-11-18';

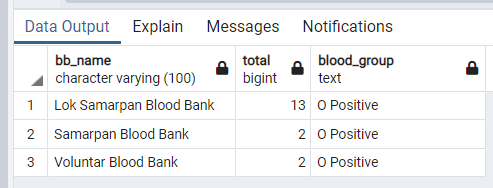
**Output :**



**15.Display number of units of O+ve blood group for every branch.**

select bb.bb\_name,sum(i.blood\_stock) as Total,'O Positive' as Blood\_Group from inventory i join department d on i.dept\_id=d.dept\_id join blood\_bank bb on d.bb\_id=bb.bb\_id where i.blood\_group='O Positive' group by bb.bb\_name

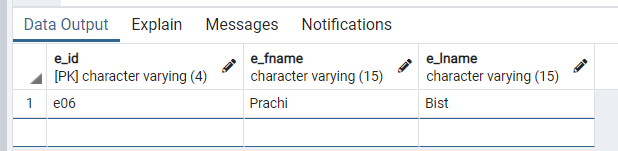
**Output :**



**16.Display the Employee Id working in Camp='c03'.**

select distinct e\_id,e\_fname,e\_lname from employee e join department d on e.dept\_id=d.dept\_id join camp c on d.dept\_id=c.dept\_id where c.c\_id='c03';

**Output :**



**17.Check the blood which is requested by patient is available or not in the inventory of the blood bank ='Voluntar Blood Bank'.**

select i.blood\_group as InventoryBlood,i.blood\_stock as InventoryStock,r.r\_blood\_group as PatientRequested,r.r\_blood\_amount as RequestBloodAmount,bb.bb\_name as BloodBankName from inventory i join department d on i.dept\_id=d.dept\_id join blood\_bank bb on d.bb\_id=bb.bb\_id join request r on bb.bb\_id=r.bb\_id join patient p on r.p\_id=p.p\_id where i.blood\_group=r.r\_blood\_group and bb.bb\_name='Voluntar Blood Bank';

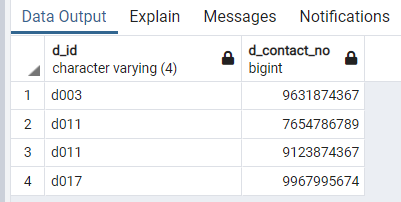
**Output :**



**18.Display the contact of the dononr whose blood type is A+ve.**

select d.d\_id,d\_contact\_no from donor\_contact d natural join donor d1 where d\_blood\_group='A Positive';

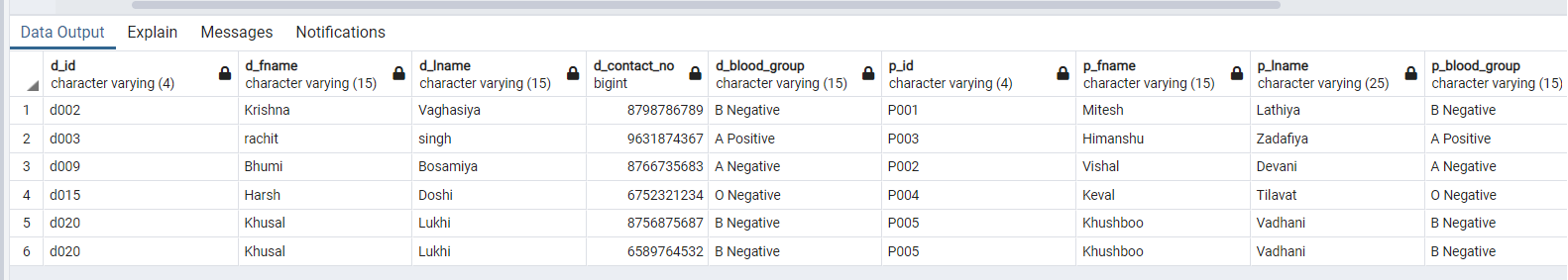
**Output :**



**19.Display the name and contact of the donor whose blood group match with patient requested blood group.**

select d.d\_id , d\_fname , d\_lname , d1.d\_contact\_no , d.d\_blood\_group , p.p\_id , p.p\_fname , p.p\_lname , p.p\_blood\_group from donor\_contact d1 join donor d on d1.d\_id=d.d\_id join camp c on d.c\_id=c.c\_id join department dep on c.dept\_id = dep.dept\_id join blood\_bank bb on dep.bb\_id=bb.bb\_id join request r on bb.bb\_id=r.bb\_id join patient p on r.p\_id=p.p\_id where d.d\_blood\_group=p.p\_blood\_group;

**Output :**



**20.List all the patients and donors associated with the any particular blood bank.**

(select p.p\_id,p\_fname,p\_lname,bb\_name from patient p join request r on p.p\_id=r.p\_id join blood\_bank bb on r.bb\_id=bb.bb\_id where bb\_name='Lok Samarpan Blood Bank')

union

(select d.d\_id,d\_fname,d\_lname,bb\_name from donor d join camp c on d.c\_id=c.c\_id join department d1 on c.dept\_id=d1.dept\_id join blood\_bank bb on d1.bb\_id=bb.bb\_id where bb\_name='Lok Samarpan Blood Bank')

**Output :**

