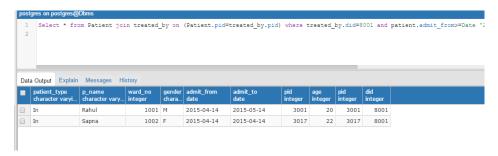
DBMS PROJECT SQL QUERIES

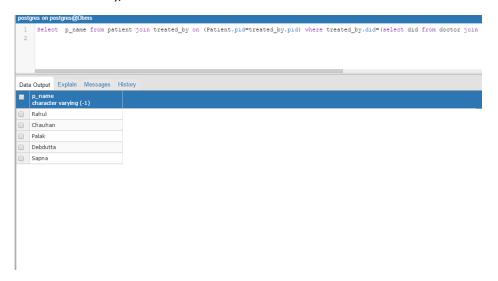
Find list of all patient who is treated by doctor whose did is 8001 in year 2015

Select * from Patient join treated_by on (Patient.pid=treated_by.pid) where treated_by.did=8001 and patient.admit from>=Date '2015-01-01' and patient.admit to<= Date '2015-12-31';

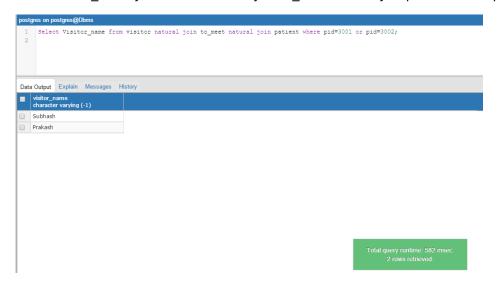


Find name of patient who is treated by doctor whose employee id is 4401;

Select patient_name from patient join treated_by on (Patient.pid=treated_by.pid) where treated_by.did=(select did from doctor join employee on (doctor.eid=employee.eid) where doctor.eid=4401);



Select Visitor name from visitor natural join to meet natural join patient where pid=3001 or pid=3002;



Find the appointment date, contact and eid of the doctor who is appointed to meet with appointment_no 3301?

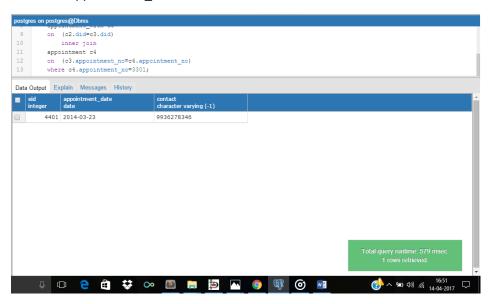
Select c1.eid, c4.appointment_date, c1.contact

From contact c1 inner join doctor c2 on (c1.eid=c2.eid)

inner join appointment_with c3 on (c2.did=c3.did)

inner join appointment c4 on (c3.appointment_no=c4.appointment_no)

where c4.appointment_no=3301;



list the name, id of out patient and details of medicine with bill_no and total amount to be paid?

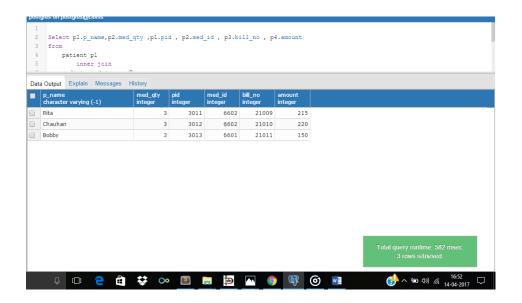
Select p1.p_name,p2.med_qty ,p1.pid , p2.med_id , p3.bill_no , p4.amount

From patient p1 inner join medicine_advisory p2 on (p1.pid=p2.pid)

inner join medicine_bill p3 on (p2.pid=p3.pid)

inner join bill p4 on(p3.bill no=p4.bill no)

where p1.patient type='Out';



List all the details of employee doctors with salary above 10,00,000

SELECT * FROM (Employee e JOIN Doctor d ON e.EID=d.eid) WHERE e.Salary > 1000000;



List all patients in ward number 1002 sorted by increasing age.

SELECT * FROM Patient WHERE Ward Number=1002 ORDER BY age INC;

```
🖢 🗐 📵 sneha@Inspiron-5558: ~
patient_type | p_name | ward_no | gender | admit_from | admit_to | pid | a
ge
                      | 1002 | F | 2015-04-14 | 2015-04-14 | 3017 |
Ιn
            Sapna
22
            | Sankit | 1002 | M | 2016-07-14 | 2016-07-14 | 3002 |
Ιn
24
                           1002 | F | 2013-04-15 | 2013-04-20 | 3011 |
Out
            | Rita
48
                           1002 | M | 2015-07-14 | 2015-08-14 | 3018 |
Ιn
            | Achintya |
67
(4 rows)
(END)
```

List all the patients being treated by doctor with ID

SELECT * FROM (Patient p JOIN Treated_By t on p.PID=t.PID) WHERE t.DID=8001;

```
🔊 🖃 📵   sneha@Inspiron-5558: ~
patient_type | p_name | ward_no | gender | admit_from | admit_to | pid | a
ge | pid | did
           Ιn
20 | 3001 | 8001
                       1001 | M | 2017-01-14 | 2017-01-14 | 3012 |
Out
          | Chauhan |
15 | 3012 | 8001
                       1001 | F
           Palak
                                   | 2012-04-10 | 2012-05-14 | 3014 |
Ιn
54 | 3014 | 8001
                        1001 | M | 2016-04-22 | 2016-05-23 | 3016 |
Ιn
           | Debdutta |
24 | 3016 | 8001
           Sapna
                        1002 | F | 2015-04-14 | 2015-04-14 | 3017 |
Ιn
22 | 3017 | 8001
(5 rows)
(END)
```

Show the names of all visitors of patient with PID .

SELECT Visitor_Name FROM (Visitor v JOIN (Patient p JOIN to_meet t ON p.PID=t.PID AS pt) ON v.VisitorID=pt.VisitorID) WHERE PID=3003;

List all the medicines prescribed to patient 3003 by doctor .

SELECT * FROM Medicine_Advisory WHERE DID=8001 AND PID=3003;

Give the count of number of Operations performed by Doctor 3001 on Patient 9901.

SELECT COUNT(*) FROM Ops_Table where PID=3001 AND OID=9901;

🖯 🗊 sneha@Inspiron-5558: ~

```
🔊 🖨 📵 sneha@Inspiron-5558: ~
postgres=# INSERT into Stay_Charges Values (3020, 700, 1002, 21016);
INSERT 0 1
postgres=# SELECT COUNT(*) FROM Operations Advisory where DID=987 AND OID=12345;
ERROR: column "did" does not exist
LINE 1: SELECT COUNT(*) FROM Operations_Advisory where DID=987 AND O...
HINT: Perhaps you meant to reference the column "operations advisory.pid" or th
e column "operations advisory.oid".
postgres=# SELECT COUNT(*) FROM Operations_Advisory where PID=987 AND OID=12345;
count
    0
(1 row)
postgres=# SELECT COUNT(*) FROM Operations_Advisory where PID=3001 AND OID=9901;
count
     1
(1 row)
postgres=#
```

List all the types of doctors and the count of each type.

SELECT Doctor.D_Type, count(*) FROM (Doctor_Type JOIN Doctor on Doctor_Type.D_Type = Doctor.D_Type) GROUP BY Doctor.D_Type;

```
sneha@Inspiron-5558: ~
     1
     1
     1
     1
(10 rows)
postgres=# SELECT Doctor.D_Type, count(*) FROM (Doctor_Type JOIN Doctor on Doc
tor_Type.D_Type = Doctor.D_Type) GROUP BY Doctor.D_Type;
d_type | count
DType02
DType03
               1
 DType04
               1
DType06
               1
DType10
               1
DType05
               1
DType01
               1
DType09
               1
DType08
DType07
               1
(10 rows)
postgres=#
```

List the details of the bill of patient - 3001.

```
select bill_no,pid,test_amount,medicine_amount,sum as operation_amount from Test_Bill natural join

Medicine_Bill natural join Operation_Bill natural join

( select operations_advisoryid,bill_no,sum from Operation_Bill natural join

( select operations_advisoryid,sum(op_rate)

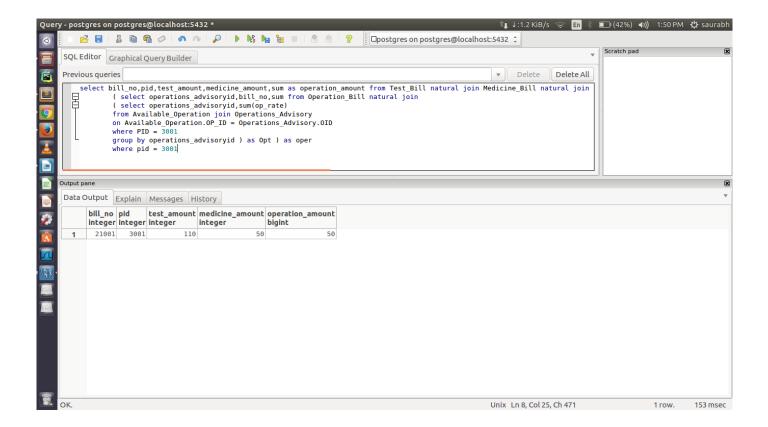
from Available_Operation join Operations_Advisory

on Available_Operation.OP_ID = Operations_Advisory.OID

where PID = 3001

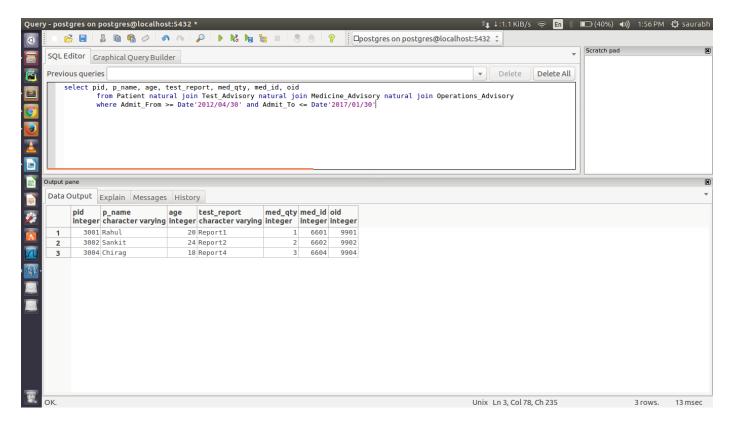
group by operations_advisoryid ) as Opt ) as oper

where pid = 3001;
```



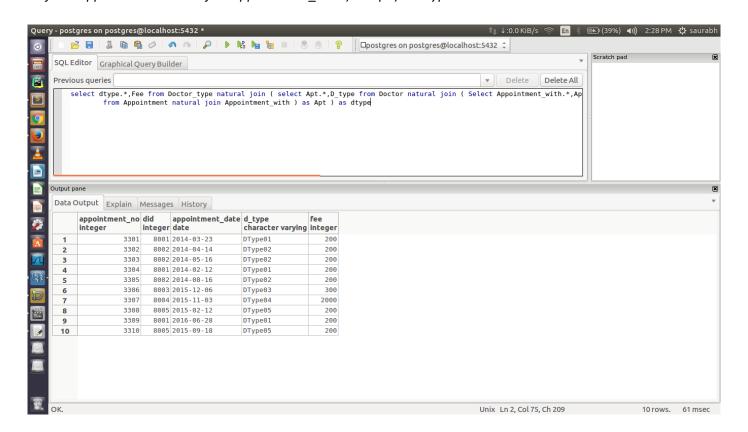
Give the details of medicines given, tests and operations performed on the patients who have been in hospital in date range -2012/04/30 to 2017/01/30.

select pid, p_name, age, test_report, med_qty, med_id, oid from Patient natural join Test_Advisory natural join Medicine_Advisory natural join Operations_Advisory where Admit_From >= Date'2012/04/30' and Admit_To <= Date'2017/01/30'



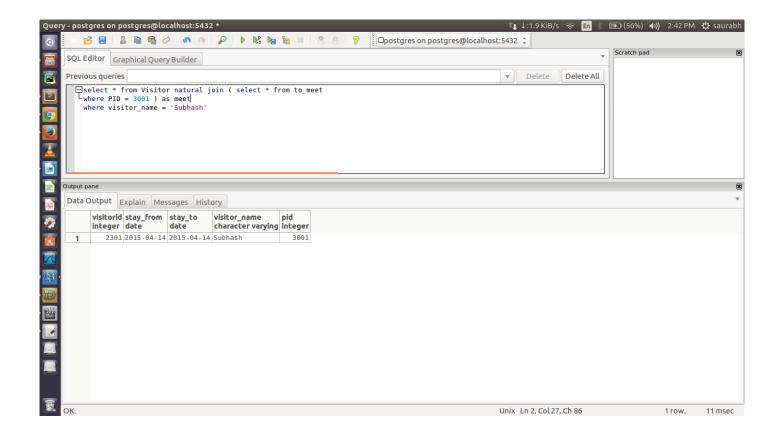
Give the doc_type and Fee of all doctors who have appointments

select dtype.*,Fee from Doctor_type natural join (select Apt.*,D_type from Doctor natural join (Select Appointment_with.*,Appointment_Date from Appointment natural join Appointment_with) as Apt) as dtype



Give the details of the Visitor-"Subhash" and PaitentID assigned to him

select * from Visitor natural join (select * from to_meet
where PID = 3001) as meet
where visitor_name = 'Subhash'



Give reports of patients treated by doctor - DID(8001)

Select * from Reports where DID = 8001;

