

SQL Queries

1. Find list of all patient who is treated by the doctor whose did is 'E4404' in the year 2015.

```
Select p.PID,P_Name,DOB,GENDER,DID from
Patient as p join Treated_by as t on
(p.PID=t.PID) where t.DID = 'E4404'
and p.In_date>=Date '2015-01-01' and
p.Out_date<= Date '2015-12-31';
```

```
201651014=> Select p.PID,P_Name,DOB,GENDER,DID from
201651014-> Patient as p join Treated_by as t on
201651014-> (p.PID=t.PID) where t.DID='E4404'
201651014-> and p.In_date>=Date '2015-01-01' and
201651014-> p.Out_date<= Date '2015-12-31';
  pid |      p_name      |      dob      | gender | did
-----+-----+-----+-----+-----
P1102 | Anilkumar Ramavat | 1992-03-12 | M      | E4404
P1110 | Disha Patel       | 1987-07-01 | F      | E4404
(2 rows)
```

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

```
Select appointment_date, contactno, eid from appointment_with as a
join employee as e
on(a.did=e.eid) join appointment as p
on(a.appointment_no=p.appointment_no) where
a.appointment_no='A2206';
```

```

201651014=> Select appointment_date, contactno, eid from appointment_with as a join employee as e
201651014-> on(a.did=e.eid) join appointment as p on(a.appointment_no=p.appointment_no) where
201651014-> a.appointment_no='A2206';
  appointment_date | contactno |  eid
-----+-----+-----
  2015-02-19      |  99253657 | E4408
(1 row)

```

3. Give the details of Visitor='Ishan Raju' and Patient to meet.

```

select visitorid, visitor_name, stay_from, stay_to, p_name
from visitor as v join meet as m
on(v.visitorid=m.visitor_id) natural join patient as p
where visitor_name = 'Ishan Raju';

```

```

201651014=> select visitorid, visitor_name, stay_from, stay_to, p_name
201651014->          from visitor as v join meet as m
201651014->          on(v.visitorid=m.visitor_id) natural join patient as p
201651014->          where visitor_name = 'Ishan Raju';
  visitorid | visitor_name | stay_from | stay_to |  p_name
-----+-----+-----+-----+-----
  V8807    | Ishan Raju  | 2015-02-16 | 2015-02-18 | Ishan Kishan
(1 row)

```

4. Find all details of patient reports with total medicine Quantity him/her owns order by medicine quantity in ascending order

```

Select p.pid, p.p_name, p.DOB, r.test_list_id, r.report_date,
r.remarks, sum (medicine_quantity) as
total_medicine_quantity from patient as p
natural join test_list as t natural join report as r join
medicine_list as m on(m.pid=p.pid)
where p.in_date >= Date'2015-01-01' and
p.out_date <= Date'2015-12-31' group by p.pid, r.test_list_id
order by sum(medicine_quantity) asc;

```

```

201651014=> Select p.pid, p.p_name, p.DOB, r.test_list_id, r.report_date,
201651014-> r.remarks, sum (medicine_quantity) as
201651014-> total_medicine_quantity from patient as p
201651014-> natural join test_list as t natural join report as r join
201651014-> medicine_list as m on(m.pid=p.pid)
201651014-> where p.in_date >= Date'2015-01-01' and
201651014-> p.out_date<= Date'2015-12-31' group by p.pid, r.test_list_id
201651014-> order by sum(medicine_quantity) asc;

```

pid	p_name	dob	test_list_id	report_date	remarks	total_medicine_quantity
P1101	Rahul Bhardwaj	1985-04-14	TL101	2015-02-12	Negative	13
P1106	Ishan Kishan	1997-08-24	TL107	2015-02-15	Positive	30
P1104	Prem Shankar	1995-10-07	TL105	2015-02-20	Negative	40
P1105	Vikul Kumar	1994-07-07	TL106	2015-02-21	Positive	42
P1102	Anilkumar Ramavat	1992-03-12	TL102	2015-02-13	Positive	42
P1109	Vinita Sharma	1975-12-25	TL109	2015-02-27	Positive	51
P1107	Mitali Raj	1989-03-15	TL108	2015-02-24	Positive	61
P1110	Disha Patel	1987-07-01	TL110	2015-03-11	Positive	70
P1103	Shubham Singh	1993-11-12	TL103	2015-02-14	Positive	120
P1103	Shubham Singh	1993-11-12	TL104	2015-02-16	Positive	120

(10 rows)

5. Find Total medicine amount of each patient order by pid

```

select m.pid, p.p_name, sum(medicine_amount)
as Total_Medicine_Amount from medicine_list as m join
patient as p on(m.pid=p.pid)
group by m.pid,p.p_name order by m.pid;

```

```

201651014=> select m.pid, p.p_name, sum(medicine_amount)
201651014-> as Total_Medicine_Amount from medicine_list as m join
201651014-> patient as p on(m.pid=p.pid)
201651014-> group by m.pid,p.p_name order by m.pid;

```

pid	p_name	total_medicine_amount
P1101	Rahul Bhardwaj	1550
P1102	Anilkumar Ramavat	2066
P1103	Shubham Singh	1230
P1104	Prem Shankar	272
P1105	Vikul Kumar	1102
P1106	Ishan Kishan	546
P1107	Mitali Raj	1762
P1108	Krishna Makadiya	500
P1109	Vinita Sharma	1654
P1110	Disha Patel	254

(10 rows)

6. List of all the medicines to patient 'P1103' by Doctor 'E4404'

Select * from Medicine_List where
DID = 'E4404' and PID = 'P1103';

```
201651014=> Select * from Medicine_List where
201651014->     DID = 'E4406' and PID = 'P1103';
```

medicine_list_id	prescription_date	pid	did	medicine_bill_date	medicine_quantity	medicine_amount	bill_no
ML305	2015-02-14	P1103	E4406	2015-02-14	30	563	B9903
ML306	2015-02-17	P1103	E4406	2015-02-18	30	427	B9903
ML307	2015-02-19	P1103	E4406	2015-02-19	60	240	B9903

(3 rows)

7. Find list of EID,E_name,DOB,DOJ,Salary,Gender of employee doctors with salary>=90,000

Select e.EID, ename, DOB, DOJ, Salary, Gender from

(Employee as e Join Doctor as d on e.EID=d.DID)

where e.Salary>=90000;

```
201651014=> Select e.EID, ename, DOB, DOJ, Salary, Gender from
201651014-> (Employee as e Join Doctor as d on e.EID=d.DID)
201651014-> where e.Salary>=90000;
```

eid	ename	dob	doj	salary	gender
E4401	Manish Maurya	1990-04-16	2007-04-16	150000	M
E4404	Pooja Goswami	1985-10-12	2009-07-23	125000	F
E4406	Anup Mehta	1988-04-03	2010-08-02	130000	M
E4408	Daksh Gondaliya	1986-07-15	2005-01-16	175000	M
E4410	Gopal Prasad	1980-07-14	2012-07-02	125000	M

(5 rows)

8. Give all the details about test reports of patients treated by Doctor 'E4404' or 'E4406'

Select Test_List_ID, Report_date, Remarks, DID
From (Report natural join Test_List)
where DID='E4404' or DID='E4406';

```
201651014=> Select Test_List_ID, Report_date, Remarks, DID
201651014-> From (Report natural join Test_List)
201651014-> where DID='E4404' or DID='E4406';
test_list_id | report_date | remarks | did
-----+-----+-----+-----
TL102        | 2015-02-13 | Positive | E4404
TL103        | 2015-02-14 | Positive | E4406
TL104        | 2015-02-16 | Positive | E4406
TL110        | 2015-03-11 | Positive | E4404
(4 rows)
```

9. Find visitorID, Visitor_Name who were coming to meet PID='P1103' or 'P1104'

Select VisitorID,Visitor_Name,PID
from (Visitor as v join meet as m
on v.VisitorID=m.Visitor_ID)
where PID='P1103' or PID='P1104';

```
201651014=> Select VisitorID,Visitor_Name,PID
201651014-> from (Visitor as v join meet as m
201651014(> on v.VisitorID=m.Visitor_ID)
201651014-> where PID='P1103' or PID='P1104';
visitorid | visitor_name | pid
-----+-----+-----
V8803     | Rohan Singh | P1103
V8804     | Alok Singh  | P1103
V8805     | Raj Shankar | P1104
(3 rows)
```

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

Select Type, count(*) from doctor group by Type;

```
201651014=> Select Type, count(*) from doctor group by Type;
  type      | count
-----+-----
Visiting    |      2
Permanent   |      5
(2 rows)
```

11. Find name of patient(s) who is/are treated by doctor whose employee id is 'E4404'

Select p.pid, P_name, dob, gender, DID from patient as p join treated_by as t on (p.pid=t.pid) where t.did=(select did from doctor as d join employee as e on (d.did=e.eid) where d.did='E4404');

```
201651014=> Select p.pid, P_name, dob, gender, DID from patient as p join
201651014-> treated_by as t on (p.pid=t.pid) where t.did=(select did from doctor
201651014(> as d join employee as e on (d.did=e.eid) where d.did='E4404');
 pid |      p_name      |      dob      | gender | did
-----+-----+-----+-----+-----
P1102 | Anilkumar Ramavat | 1992-03-12 | M      | E4404
P1110 | Disha Patel       | 1987-07-01 | F      | E4404
(2 rows)
```

12. List all patients in ward number W2001 sorted by ascending order.

```
SELECT P_Name,DOB FROM
(Patient as p join ward_list as w on p.PID=w.PID)
WHERE Ward_no='W2001' ORDER BY DOB ASC;
```

```
201651014=> SELECT P_Name,DOB FROM
201651014->      (Patient as p join ward_list as w on p.PID=w.PID)
201651014->      WHERE Ward_no='W2001' ORDER BY DOB ASC;
  p_name      |      dob
-----+-----
Rahul Bhardwaj | 1985-04-14
Shubham Singh  | 1993-11-12
Krishna Makadiya | 1996-09-24
(3 rows)
```

13. Give the count of number of Operations performed by Doctor E4406 on Patient P1103.

```
SELECT count(*) from(Operation_List natural join performs)
where PID='P1103' and DID='E4406';
```

```
201651014=> SELECT count(*) from(Operation_List natural join performs)
201651014-> where PID='P1103' and DID='E4406';
  count
-----
      2
(1 row)
```

14. Find list of Doctor who performs more than 1 operations

```
select e.ename, p.did, count(operation_list_id) as  
no_of_operation from performs as p join employee as e  
on(p.did=e.eid) group by p.did,e.ename  
having count(operation_list_id) >1;
```

```
201651014=> select e.ename, p.did, count(operation_list_id) as  
201651014->          no_of_operation from performs as p join employee as e  
201651014->          on(p.did=e.eid) group by p.did,e.ename  
201651014->          having count(operation_list_id) >1;  
          ename      | did  | no_of_operation  
-----+-----+-----  
Daksh Gondaliya | E4408 |          2  
Pooja Goswami   | E4404 |          2  
Anup Mehta      | E4406 |          2  
(3 rows)
```

15. List of employee whom category='Doctor' and qualification='MBBS'

```
select eid, ename, gender from employee  
where qualification='MBBS'  
intersect select eid, ename, gender from employee  
where category='Doctor';
```



```

201651014=> select eid, ename, gender from employee where qualification='MBBS'
201651014->          intersect select eid, ename, gender from employee
201651014->          where category='Doctor';
  eid |      ename      | gender
-----+-----+-----
E4401 | Manish Maurya   | M
E4409 | Arnab Goswami   | M
E4406 | Anup Mehta      | M
E4407 | Avkaran Singh   | M
(4 rows)

```

16. Determine the Test_List which have more than 1 test

Select test_list_id, count(test_id) as no_of_test_id

from have group by test_list_id having count(test_id)>1;

```

201651014=> Select test_list_id, count(test_id) as no_of_test_id
201651014-> from have group by test_list_id having count(test_id)>1;
 test_list_id | no_of_test_id
-----+-----
TL101         |          3
TL102         |          3
TL107         |          2
TL104         |          2
TL108         |          2
(5 rows)

```