1

select patient\_name from patient where age <15;

2

select patient\_name from patient inner join hospital using(h\_id) where hospital\_name='apollo';

3

**Option1: -**

select hospital\_name , avg(discharge\_date - reporting\_date) as "Avg Days to Recover" from hospital inner join test\_report using(h\_id) group by hospital\_name order by avg(discharge\_date -reporting\_date) limit 1;

**Option2: -**

select hospital\_name , avg(discharge\_date - reporting\_date) as "Avg Days to Recover" from hospital inner join test\_report using(h\_id) group by hospital\_name having avg(discharge\_date - reporting\_date) = (Select min(avg\_days) from (select avg(discharge\_date - reporting\_date) as avg\_days from hospital inner join test\_report using(h\_id) group by hospital\_name ) sq );

4

create view q3\_LAST3MONTHS as select t\_id, (current\_date - reporting\_date) as "No of Days since Reporting" from test\_report where (current\_date - reporting\_date)<=90;

5

select patient\_name, age from patient inner join test\_report using(p\_id) where test\_result='negative';

6

**Option1: -**

select area as "covid hotspot", count(\*) as "no of cases" from test\_report inner join patient using(p\_id) where test\_result='positive' group by area order by count(\*) desc limit 1;

**Option2: -**

select area as "covid hotspot", count(\*) as "no of cases" from test\_report inner join patient using(p\_id) where test\_result='positive' group by area having count(\*) = (Select max(no\_of\_cases) from (select count(\*) as no\_of\_cases from test\_report inner join patient using(p\_id) where test\_result='positive' group by area ) sq );

7

**Option1: -**

select state , count(\*) as "no of cases" from test\_report inner join hospital using(h\_id) inner join patient using(p\_id) where age<18 and test\_result='positive' group by state order by count(\*) desc limit 1;

**Option2: -**

select state, count(\*) as "no\_of\_cases" from test\_report inner join hospital using(h\_id) inner join patient using(p\_id) where age<18 and test\_result='positive' group by state having count(\*) = (select max(no\_of\_cases) from ( select count(\*) as no\_of\_cases from test\_report inner join hospital using(h\_id) inner join patient using(p\_id) where age<18 and test\_result='positive' group by state order by count(\*) ) sq ) ;

8

select p1.patient\_name from patient as p1, patient as p2 where p1.area=p2.area and p1.p\_id != p2.p\_id group by(p1.patient\_name);

9

select patient\_name from patient inner join hospital using(h\_id) where sex='F' and city=location;

10

**Option1: -**

select hospital\_name, count(\*) as "no of cases" from test\_report inner join hospital using(h\_id) where test\_result = 'positive' and state = 'kerala’ group by hospital\_name order by count(\*) desc limit 1;

**Option2: -**

select hospital\_name, count(\*) from test\_report inner join hospital using(h\_id) where test\_result = 'positive' and state = 'kerala’ group by hospital\_name having count(\*) = (select max(no\_of\_cases) from (select count(\*) as no\_of\_cases from test\_report inner join hospital using(h\_id) where test\_result = 'positive' and state = 'kerala’ group by hospital\_name ) sq ) ;