Simple:

**1)Number of people employed**

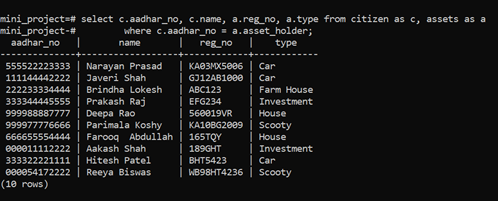
==>select c.family\_id, c.name,c.aadhar\_no from citizen as c , employee as e where c.aadhar\_no = e.aadhar\_no order by c.family\_id;



**2)Assets each family can access**

==>select c.aadhar\_no, c.name, a.reg\_no, a.type from citizen as c, assets as a

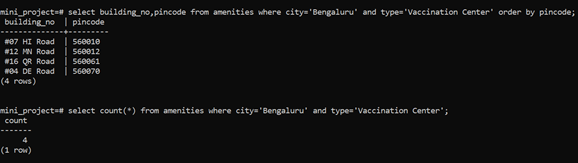
        where c.aadhar\_no = a.asset\_holder;



**3)Number of vaccination centers in Bangalore**

==>select building\_no,pincode from amenities where city='Bengaluru' and type='Vaccination Center' order by pincode;

==>select count(\*) from amenities where city='Bengaluru' and type='Vaccination Center';



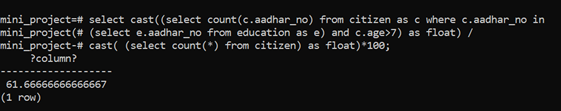
Nested:

**1)Literacy rate:**

==>select cast((select count(c.aadhar\_no) from citizen as c where c.aadhar\_no in

(select e.aadhar\_no from education as e) and c.age>7) as float) /

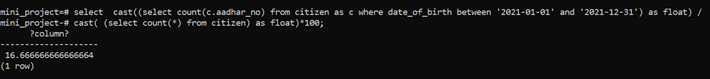
cast( (select count(\*) from citizen) as float)\*100;



**2)Birth rate:**

==>select  cast((select count(c.aadhar\_no) from citizen as c where date\_of\_birth between '2021-01-01' and '2021-12-31') as float) /

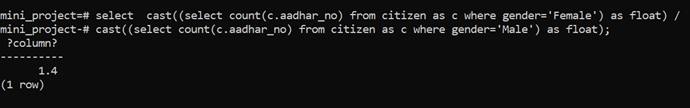
cast( (select count(\*) from citizen) as float)\*100;



**3)Gender ratio:**

select  cast((select count(c.aadhar\_no) from citizen as c where gender='Female') as float) /

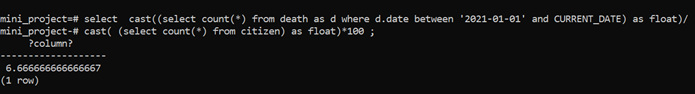
cast((select count(c.aadhar\_no) from citizen as c where gender='Male') as float);



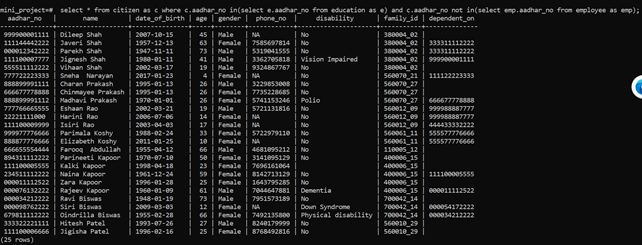
**4)Death rate:**

==>select  cast((select count(\*) from death as d where d.date between '2021-01-01' and CURRENT\_DATE) as float)/

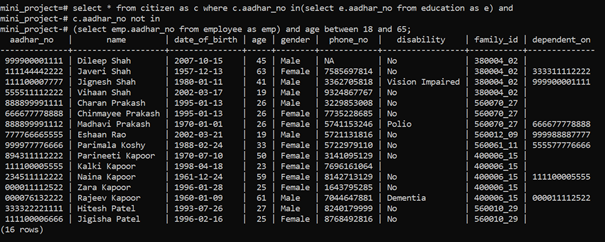
cast( (select count(\*) from citizen) as float)\*100 ;



**5)List of unemployed people who are educated**

===> select \* from citizen as c where c.aadhar\_no in(select e.aadhar\_no from education as e) and c.aadhar\_no not in(select emp.aadhar\_no from employee as emp);

==> select \* from citizen as c where c.aadhar\_no in(select e.aadhar\_no from education as e) and c.aadhar\_no not in(select emp.aadhar\_no from employee as emp) and age between 18 and 65;

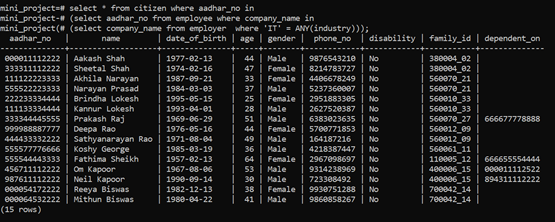


**6)Details of citizen who are working in the companies under the IT industry**

===>select \* from citizen where aadhar\_no in

(select aadhar\_no from employee where company\_name in

(select company\_name from employer  where 'IT' = ANY(industry)));

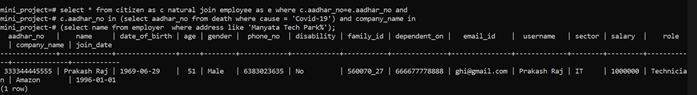


**7)Details (including employment details) of people who died who worked in the area 'Manyata Tech Park' due to covid-19.**

===> select \* from citizen as c natural join employee as e where c.aadhar\_no=e.aadhar\_no and

c.aadhar\_no in (select aadhar\_no from death where cause = 'Covid-19') and company\_name in

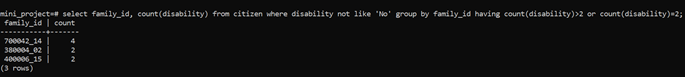
(select name from employer  where address like 'Manyata Tech Park%');



Group by having:

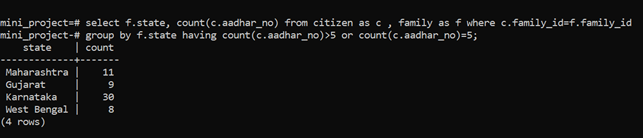
**1)Families having more than 2 disabled people**

==>select family\_id, count(disability) from citizen where disability not like 'No' group by family\_id having count(disability)>2 or count(disability)=2;



**2)State Wise Population of states having at least more than 5 people.**

==>select f.state, count(c.aadhar\_no) from citizen as c , family as f where c.family\_id=f.family\_id group by f.state having count(c.aadhar\_no)>5 or count(c.aadhar\_no)=5;



View:

**1)Family income of each family - create view**

==>create view family\_income as (select c.family\_id,sum(e.salary) as income from employee as e ,citizen as c where e.aadhar\_no= c.aadhar\_no group by c.family\_id);

