CMS Queries

1—> Show manager name, branch name, income, expense and profit of top 3 branches compared to previous month profits

select e.first\_name , e.last\_name , mainRes.branch\_id, mainRes.branch\_name, mainRes.income, mainRes.totalexpense, mainRes.profit from

(select first\_name, last\_name, branch\_id from "CMS".employee where designation\_id=1) as e

join

(select b.branch\_id,b.branch\_name,resBranch.income,resBranch.totalExpense,(resBranch.income-resBranch.totalExpense)as profit from "CMS".branch as b

join

(select amount.branchID,(amount.courierAmount) as income, (amount.agencyAmount + expense.expensAmount) as totalExpense from

(select sending\_branch\_id as branchID, sum(courier\_payment\_amount)as courierAmount , sum(agency\_payment\_amount)as agencyAmount from "CMS".transaction where

extract(year from courier\_delivery\_datetime) = (extract(year from current\_date)) and

extract(month from courier\_delivery\_datetime) = (extract(month from current\_date)-1)

group by sending\_branch\_id) as amount

join

(select (ex.expens+emp.salaryAmount)as expensAmount,ex.branch\_id from

(select sum(amount)as expens,branch\_id from "CMS".expenses where

extract(year from expense\_date) = (extract(year from current\_date)) and

extract(month from expense\_date) = (extract(month from current\_date)-1)

group by branch\_id) as ex

join

(select sum(salary) as salaryAmount,branch\_id from "CMS".employee group by branch\_id)as emp

on(emp.branch\_id = ex.branch\_id))as expense

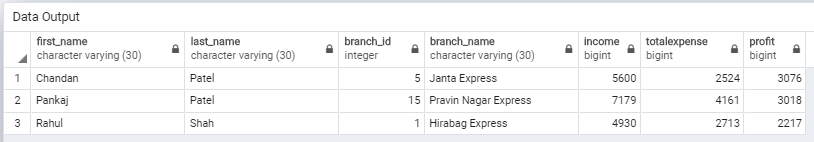
on(expense.branch\_id = amount.branchID)

)as resBranch

on(b.branch\_id = resBranch.branchID)

)as mainRes

on(mainRes.branch\_id = e.branch\_id) order by mainRes.profit desc limit 3;



2—>Show transport agencies who deliver to every state across the country

select tran.\*from"CMS".transport\_agency as tran join

(select tr.transport\_id from "CMS".transport\_agency as tr

except

(select res.agency\_id from

(

(select t.agency\_id, s.state\_id from "CMS".state as s cross join (select DISTINCT agency\_id from "CMS".agency\_route) as t)

except

(select DISTINCT ar.agency\_id,c.state\_id from "CMS".city as c join "CMS".agency\_route as

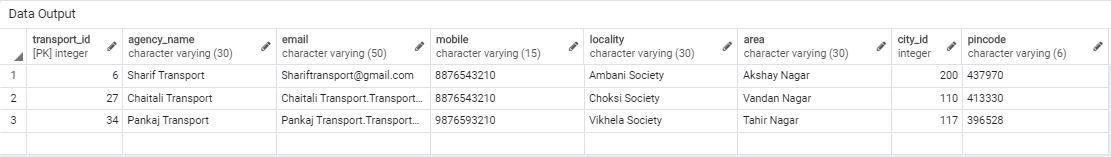
ar on(c.city\_id=ar.to\_city\_id))

)as res

)

) as mr

on(tran.transport\_id = mr.transport\_id)



3—>Show the branch details and manager name which has got a courier from 2 days but still pending to deliver

select mr.branch\_name,m.first\_name,m.last\_name,mr.mobile,mr.city\_name,mr.totelPendingCouriers from

(select \* from "CMS".employee where designation\_id = 1) as m

join

((select b.branch\_id,b.branch\_name ,b.mobile,c.city\_name from "CMS".branch as b

join "CMS".city as c on(c.city\_id = b.city\_id))as br

join

(select reciver\_branch\_id,count(transaction\_id)as totelPendingCouriers from "CMS".transaction

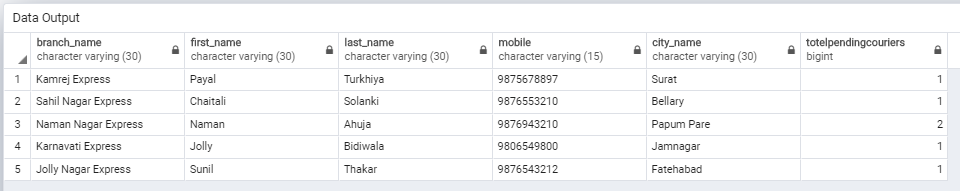
where transport\_status\_id=3

and extract(day from age(agency\_delivery\_date,current\_date)) > 3

group by reciver\_branch\_id) as reslt

on (br.branch\_id = reslt.reciver\_branch\_id)) as mr

on(m.branch\_id = mr.branch\_id);



4—> Show employee name and salary who has delivered more than 5 couriers in current month

select e.first\_name,e.last\_name,e.branch\_id,e.salary,t.totalDelivery from

(select deliver\_employee\_id,count(transaction\_id)as totalDelivery from "CMS".transaction where

transport\_status\_id = 4 and

extract(year from courier\_delivery\_datetime) = (extract(year from current\_date)) and

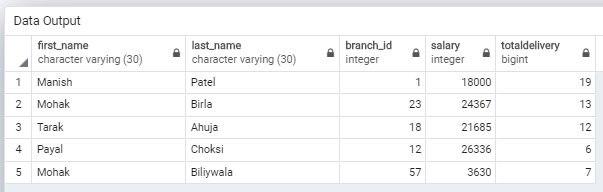
extract(month from courier\_delivery\_datetime) = (extract(month from current\_date)-1)

group by deliver\_employee\_id having count(transaction\_id) > 5

) as t join

(select employee\_id,first\_name, last\_name, branch\_id,salary from "CMS".employee where designation\_id =3)as e

on (t.deliver\_employee\_id=e.employee\_id) ;



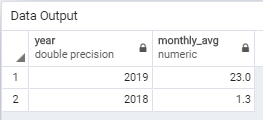
5-->Show the monthly courier average of year wise for a specific branch

select res.year,trunc(avg(res.num),1)as monthly\_AVG from(select extract(year from courier\_pickup\_datetime)as year, count(transaction\_id)as num from "CMS".transaction

where sending\_branch\_id = 22

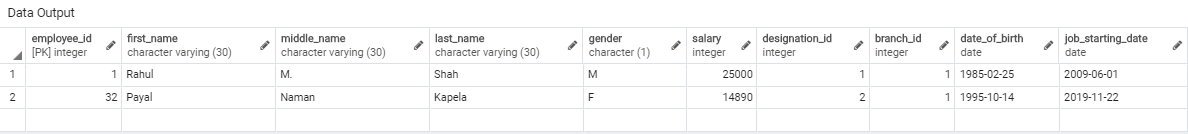
group by extract(year from courier\_pickup\_datetime) , extract(month from courier\_pickup\_datetime)) as res

group by res.year



6—>Show currently working people in a particular branch

select \* from "CMS".employee where branch\_id = 1 group by employee\_id having extract(day from age(job\_endling\_date,job\_starting\_date))=-1;



7—>Show all manager names with their branch names

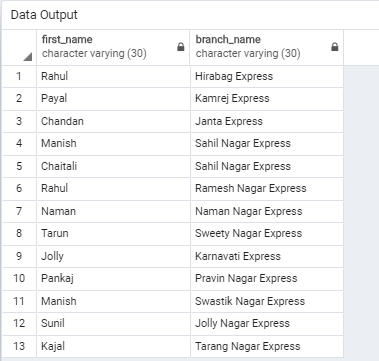
select ee.first\_name,b.branch\_name from "CMS".branch as b join

(select e.first\_name, e.branch\_id from "CMS".employee as e join

(select d.designation\_id from "CMS".designation as d where d.designation\_name = 'manager') as r

on (e.designation\_id = r.designation\_id)

) as ee on (ee.branch\_id = b.branch\_id);



8—>Count all branches in particular state

select s.state\_name, res.branches from "CMS".state as s join

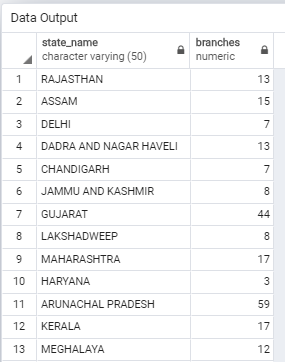
(select state\_id , sum(b.per\_city)as branches from "CMS".city as c join

(select city\_id, count(branch\_id)as per\_city from "CMS".branch group by branch\_id) as b

on(b.city\_id=c.city\_id) group by (c.state\_id)

)as res

on (s.state\_id = res.state\_id);



9—>Show all branch names in which more than 5 couriers are pending to deliver

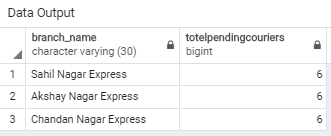
select b.branch\_name , reslt.totelPendingCouriers from "CMS".branch as b join

(select reciver\_branch\_id, count(courier\_id)as totelPendingCouriers from "CMS".transaction

where transport\_status\_id = 1 group by(reciver\_branch\_id) having count(courier\_id) > 5

) as reslt

on (b.branch\_id = reslt.reciver\_branch\_id);



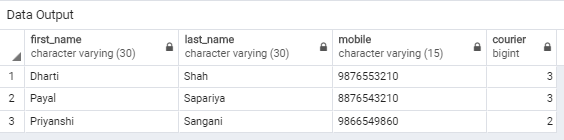
10—>Show the top 3 customers based on number of couriers in particular branch

select cl.first\_name,cl.last\_name,cl.mobile,client.Courier from

(select c.client\_id,count(c.courier\_id)as Courier from "CMS".courier as c

where c.branch\_id =5 group by c.client\_id order by Courier desc limit 3)as client

join "CMS".client as cl on (cl.client\_id = client.client\_id)



11->Show the top 5 customers based on maximum return of couriers

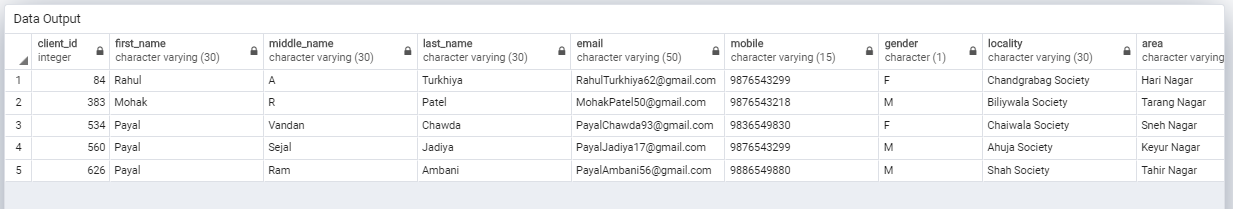
select \* from "CMS".client as ci join

(select c.client\_id, count(c.courier\_id)as totalCount from "CMS".courier as c join

(select courier\_id from "CMS".transaction where transport\_status\_id =5) as t

on(t.courier\_id = c.courier\_id) group by c.client\_id order by totalCount desc limit 5) as result

on (ci.client\_id=result.client\_id);



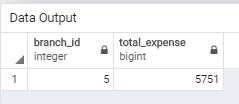
12—>Show the expenses of current month of branch no 5

select branch\_id,sum(amount)as total\_expense from"CMS".expenses where branch\_id=5

AND extract(year from expense\_date) = extract(year from current\_date) and

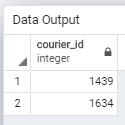
extract(month from expense\_date) = extract(month from current\_date)

group by branch\_id;



13—>Show those couriers for which payment to transport agency is remaining in particular branch

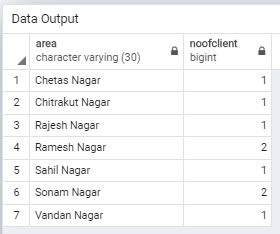
select courier\_id from"CMS".transaction where sending\_branch\_id=8 and payment\_id = 0 and courier\_pickup\_datetime<>agency\_pickup\_date;



14—>Show the total number of clients in a particular area of the city

select area, count(client\_id)noOfClient from "CMS".client

where city\_id = 212 group by area;



15—>Show top 5 branches and their income compared to previous month income

select b.branch\_id,b.branch\_name,resBranch.income from "CMS".branch as b join

(select amount.sending\_branch\_id as branch\_id,(amount.courierAmount) as income from

(select sending\_branch\_id, sum(courier\_payment\_amount)as courierAmount from "CMS".transaction where

extract(year from courier\_delivery\_datetime) = (extract(year from current\_date)) and

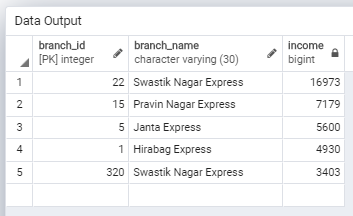
extract(month from courier\_delivery\_datetime) = (extract(month from current\_date)-1)

group by sending\_branch\_id

) as amount

)as resBranch

on(b.branch\_id = resBranch.branch\_id) order by resBranch.income desc limit 5;



16—>Show top 5 branches and their expense compared to previous month's expense

select b.branch\_id,b.branch\_name,res.expenseAmount from "CMS".branch as b join

(select branch\_id as branch, sum(amount)as expenseAmount from "CMS".expenses where

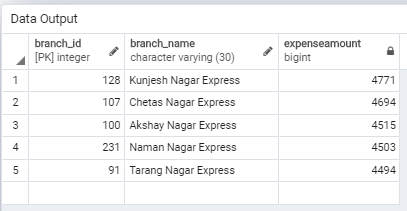
extract(year from expense\_date) = (extract(year from current\_date)) and

extract(month from expense\_date) = (extract(month from current\_date)-1)

group by branch\_id

) as res

on(b.branch\_id = res.branch) order by res.expenseAmount desc limit 5;



17—>Show all transport agencies which are connected to all surat city branches

select t.\*from"CMS".transport\_agency as t join

(select transport\_id from "CMS".transport\_agency where city\_id=212

except

(select transport\_id from

(select \* from (select branch\_id from "CMS".branch where city\_id = 212)as b

cross join (select transport\_id from "CMS".transport\_agency where city\_id = 212) as a

except

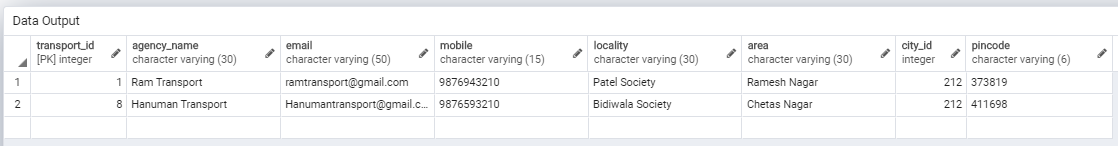
select \* from "CMS".agency\_branch\_connection

)as res

)

)as mr

on(t.transport\_id = mr.transport\_id)



18—>Show employees excluding manager whose salary are more than the average salary of their branch

select \* from "CMS".employee as e where designation\_id <> 1 and salary >

(select avg(salary) from "CMS".employee where branch\_id = e.branch\_id group by branch\_id)

