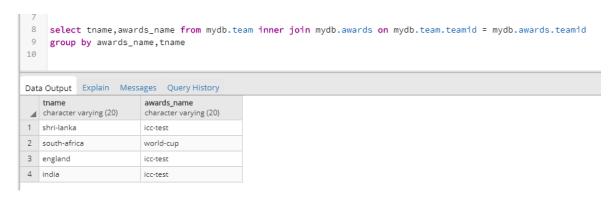

Queries

- 1. Find the name of team who won the awards.
- -> select tname,awards_name from mydb.team inner join mydb.awards on mydb.team.teamid = mydb.awards.teamid group by awards_name,tname

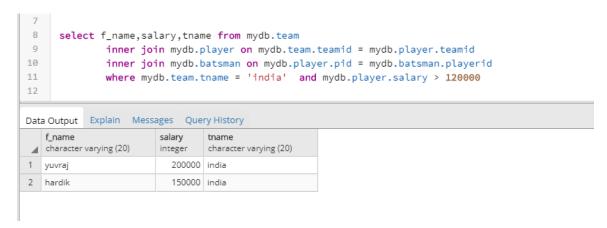


- 2 Find name of player who is in indian team and salary greater than 12000 and he is batsman.
- -> select f_name,salary,tname from mydb.team

inner join mydb.player on mydb.team.teamid = mydb.player.teamid

inner join mydb.batsman on mydb.player.pid = mydb.batsman.playerid

where mydb.team.tname = 'india' and mydb.player.salary > 120000



- 3 Find name of upcoming IPL-series, and location and upcoming date.
- -> select match_date,s_name,lname from mydb.series

inner join mydb.upcoming_schedule on mydb.series.upcoming_schedule_sid = mydb.upcoming_schedule.up_id

inner join mydb.location on mydb.series.location_id = mydb.location.locationid where mydb.series.s_name = 'ipl'



- 4 Count total number of awards for indian team
- -> select count(awards_name) as india_team_win_awards from mydb.awards inner join mydb.team on mydb.awards.teamid = mydb.team.teamid where mydb.team.tname = 'india'

```
select count(awards_name) as india_team_win_awards from mydb.awards
inner join mydb.team on mydb.awards.teamid = mydb.team.teamid
where mydb.team.tname = 'india'

Data Output Explain Messages Query History

india_team_win_awards
bigint

1 3
```

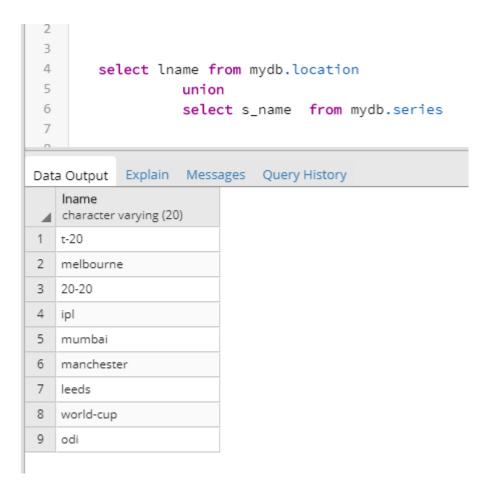
- 5 Name of umpire who salary is > 100000 and experience above 5 year and also he is belong to india
- -> select u_name as umpire_name,experience,country,salary from mydb.umpire where experience > 5 and salary > 100000 and country = 'india'



- 7 Display name of location and series
- -> select Iname from mydb.location

union

select s_name from mydb.series



- 9 Display player name who is bowler as well as batsman.
- -> select player.playerid,f_name from mydb.batsman inner join mydb.player on mydb.batsman.playerid = mydb.player.playerid

intersect

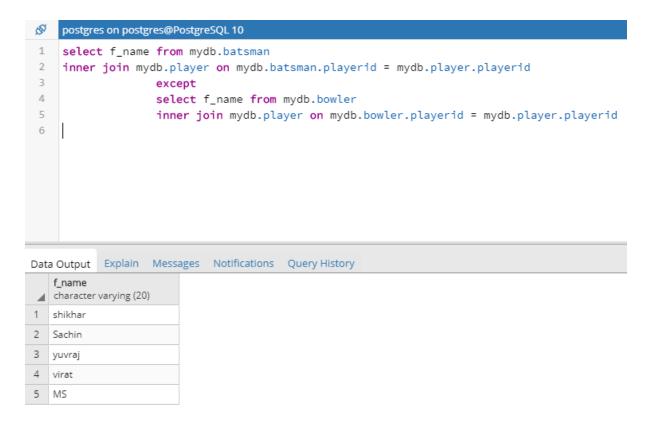
select player.playerid,f_name from mydb.bowler inner join mydb.player on mydb.bowler.playerid = mydb.player.playerid

```
Š
    postgres on postgres@PostgreSQL 10
 1
     select player.playerid,f_name from mydb.batsman
 2
     inner join mydb.player on mydb.batsman.playerid = mydb.player.playerid
 3
 4
     select player.playerid,f_name from mydb.bowler
 5
     inner join mydb.player on mydb.bowler.playerid = mydb.player.playerid
 6
Data Output
           Explain Messages Notifications Query History
   playerid
             f_name
             character varying (20)
   integer
1
          11 Deven
2
           4 hardik
3
          10 Emran
4
           9 Shoheb
```

- 10 Display player name who is a batsman not a bowler
- -> select f_name from mydb.batsman inner join mydb.player on mydb.batsman.playerid = mydb.player.playerid

except

select f_name from mydb.bowler inner join mydb.player on mydb.bowler.playerid = mydb.player.playerid



count number of batsman of team india who has greater than 150 runs.

-->

select count(playerid) from mydb.batsman

where runs>150 and playerid in(select playerid from mydb.player where teamid in(select teamid from mydb.team where tname like 'india'))

```
select count(playerid) from mydb.batsman
where runs>150 and playerid in
(select pid from mydb.player where teamid in(select teamid from mydb.team where tname like 'india'))

Data Output Explain Messages Query History

count
bigint

1 5
```

- 12 give the name of team who played t20 series on mumbai location on 20th Feb,1995.
- --> Select tname from mydb.team where teamid in(Select teamid from mydb.playedseriesXUmpire where matchDate='1995-02-20' and seriesid in(Select seriesid from mydb.series where s_name like 't-20'and location_id in(Select locationid from mydb.location where lname like 'mumbai')))



- 13 give the detail of all player who played world cup series which umpired by sudhir asnani
- --> Select distinct concat_ws(' ',p.f_name, p.l_name)AS playerfullname, t.tname, u.u_name from mydb.player p

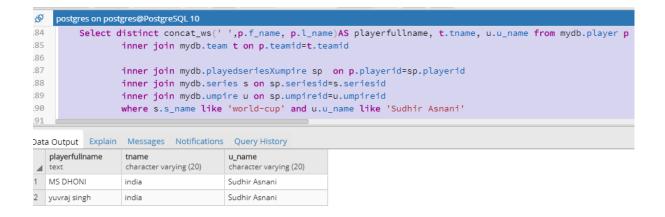
inner join mydb.team t on p.teamid=t.teamid

inner join mydb.playedseriesXumpire sp on p.playerid=sp.playerid

inner join mydb.series s on sp.seriesid=s.seriesid

inner join mydb.umpire u on sp.umpireid=u.umpireid

where s.s name like 'world-cup' and u.u name like 'Sudhir Asnani'



- 14 Give the details of australia team coach
- --> Select first_name,last_name,dob,country from mydb.coach where coachid in(Select coach_id from mydb.team where tname like 'australia')

```
5
      Select first_name,last_name,dob,country from mydb.coach where coachid in
 6
        (Select coach_id from mydb.team where tname like 'australia')
 7
Data Output Explain Messages Query History
    first_name
                           last_name
                                                  dob
                                                          country

▲ character varying (20)

                           character varying (20)
                                                  date
                                                          character varying (20)
                                                  1988-... australia
1
   Justin
                           Langer
```

15 Get bowler's details of indian team who played 20-20 series in india under Sudhir Asnani coach.

->

Select Distinct concat_ws('',p.f_name, p.l_name)AS playerfullname, t.tname

from mydb.playedseriesxumpire us

inner join mydb.player p on p.teamid=us.teamid

inner join mydb.team t on p.teamid=t.teamid

inner join mydb.series s on us.seriesid=s.seriesid

inner join mydb.bowler bl on us.playerid = bl.playerid inner join mydb.player pl on bl.playerid = pl.playerid

inner join mydb.location I on s.location_id=I.locationid

inner join mydb.umpire u on u.umpireid=us.umpireid

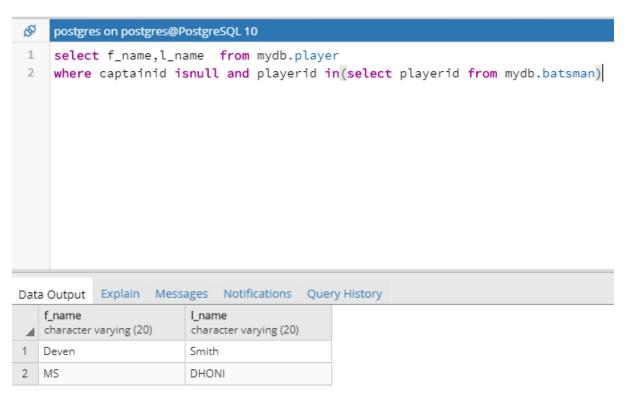
where t.tname like 'india' and s.s_name like 't-20' and l.lname like 'mumbai' and u.u_name like 'Sudhir Asnani'

```
Ŕ
    postgres on postgres@PostgreSQL 10
 1
     \textbf{Select Distinct concat\_ws(' ',p.f\_name, p.l\_name)} \textbf{AS playerfullname, t.tname}
 2
                 from mydb.playedseriesxumpire us
 3
                 inner join mydb.player p on p.teamid=us.teamid
 4
                 inner join mydb.team t on p.teamid=t.teamid
 5
                 inner join mydb.series s on us.seriesid=s.seriesid
 6
                 inner join mydb.bowler bl on us.playerid = bl.playerid
                 inner join mydb.player pl on bl.playerid = pl.playerid
 8
                 inner join mydb.location l on s.location_id=l.locationid
 9
                 inner join mydb.umpire u on u.umpireid=us.umpireid
                 where t.tname like 'india' and s.s_name like 't-20' and l.lname like 'mumbai' and
10
11
                  u.u_name like 'Sudhir Asnani'
12
Data Output Explain Messages Notifications
                                         Query History
   playerfullname
                   tname
   text
                   character varying (20)
1 hardik pandya
                   india
2 MS DHONI
3 rohit sharma
                   india
4 Sachin Tendulkar
                   india
5 shikhar dhavan
                   india
6
   virat kohali
                   india
7 yuvraj singh
                   india
```

- 16 Give the total number of series played by each team.
- --> select count(*) as TotalCount, t.tname
 from mydb.playedseriesxumpire PXU
 inner join mydb.team t on t.teamid = PXU.teamid
 group by t.tname

```
select count(*) as TotalCount, t.tname
 6
                from mydb.playedseriesxumpire PXU
 7
                inner join mydb.team t on t.teamid = PXU.teamid
 8
                group by t.tname
Data Output
            Explain Messages Query History
   totalcount
               tname
   bigint
               character varying (20)
1
             6 india
2
             2 england
3
             2 australia
```

- 17 find player who is captain as well as batsman.
- -> select f_name,l_name from mydb.player where captainid isnull and playerid in(select playerid from mydb.batsman)

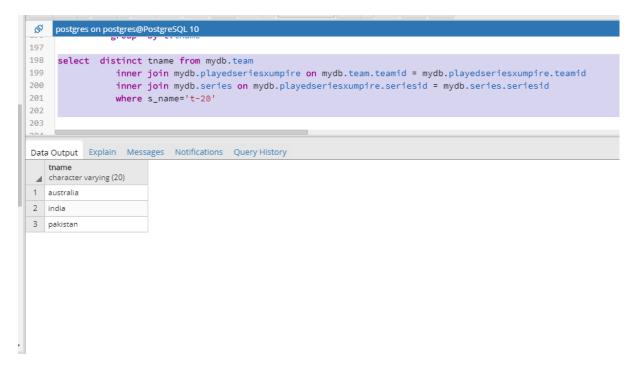


- 18 find team name who have played t-20.
- -> select distinct tname from mydb.team

inner join mydb.playedseriesxumpire on mydb.team.teamid = mydb.playedseriesxumpire.teamid

inner join mydb.series on mydb.playedseriesxumpire.seriesid = mydb.series.seriesid

where s_name='t-20'



- 19 find a team who have maximum awards.
- -> select count(*) as cnt,tname from mydb.team
 join mydb.awards on mydb.team.teamid = mydb.awards.teamid
 group by tname

order by cnt desc limit 1

```
select count(*) as cnt,tname from mydb.team

join mydb.awards on mydb.team.teamid = mydb.awards.teamid

group by tname

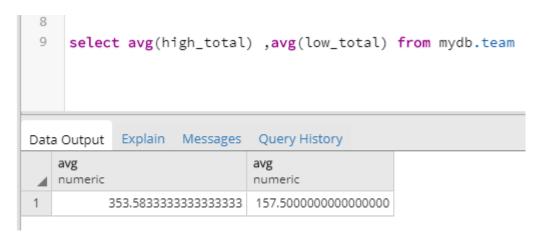
order by cnt desc limit 1

Data Output Explain Messages Query History

cnt tname bigint character varying (20)

1 3 india
```

- 20 Display average total of high total and low total for team
- -> select avg(high_total) ,avg(low_total) from mydb.team



Relational Algebra

1	Awards name + muse T.
	Awards nome to mame Thomas Awards name (Team) M
-	x team. teamid = a wards. teamid's Awards

2	TI-f-name, Surary, t-name
	(team trame : India and player Salury)
	12 000 (Team)) & LAloyer RAN team teaming
	= player. teamid > player & (player. Pid =
	batsman, Plage sidt Gutsman
3	TT motch-date, S-name, L-name
	(Sezies, S_name = 'IPL' (Sezies)) 10
	LSpains, Opcoming-sid = Upcoming Schedule, UPid
	Uproming Schedule & (Sexies locationid =
	location. locationid > Location
4	81 + & Team. + name = 1, andia (team)
	82+ po(team f count (Awards name) ->
0	CIG) CEBRUMA-ROW-PILMIT
	SCS-VITE TINdia-wom-Awards (Awards) &
	(Gwards. tramid = 82. + eamid > 82
5	
	Compire exp > 5) and (umpire solary > 1000
	and (Umpize. count of = India 1) (Umpize)

12	The same of the sa	-
1	TI Location mame (Location)	
1	TI C manua C	
1	TI S. mame (Sezieso	

Theresid, f. name (batsman) &

(batsman. playerid = Player. playerids player

(bowler. playerid = Player. Playerids Player

(bowler. playerid = Player. Player

10 The f. name (batsman) M

(batsman playerid = Player. Playerid) player

The rame (bowler) &

(bowler. Playerid = Player. Playerid) Player

11 32 + Theamid (*team. +name = 1, india') (team)

32 + Thid (iteam. +eamid = +1) (proge 2)

32 + Thid (iteam. +eamid = +1) (proge 2)

32 + Thid (iteam. +eamid = +1) (proge 2)

32 + Thid (iteam. +eamid = +1) (proge 2)

34 + Thid (iteam. +eamid = +1) (proge 2)

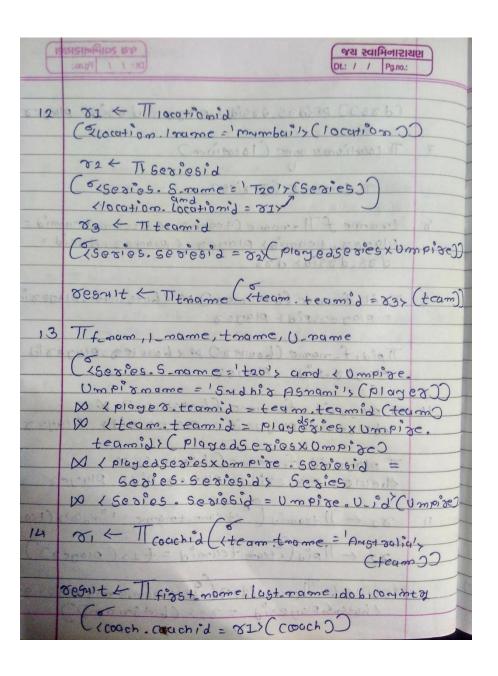
34 + Thid (iteam. +eamid = +1) (proge 2)

36 + Thid (iteam. +eamid = +1) (proge 2)

36 + Thid (iteam. +eamid = +1) (proge 2)

36 + Thid (iteam. +eamid = +1) (proge 2)

36 + Thid (iteam. +eamid = +1) (proge 2)



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Thrame - India and somme - Too' and loname
'mambai' and uname - 'Southis Asmanis'

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Lelayer teamid - playerseries x umpine teamid > player

Delayer teamid = team teamid > team DO

Lelayer teamid = player playerid > bowler Playerid >

Lelayer teamid = player playerid > Player DO

Lelayer teamid = player playerid > Player DO

Lelayer teamid = team teamid > teamid > location DO

Lelayer teamid = player playerid > Dowler Dowler DO

Lelayer teamid = player playerid > Dowler Do

tramef To count(*), trame (ployedses sumpire)

N < playedse sies xumpire. tramid =

toum. teamid > team

17 TI + TI prayer'd (bateman)

3054 It My + TIf name, Liname ("cortainia: "mall' and

prayer'd = 81 (prayer)

Ttrame (15031°65.5. name = 17-201) (team) M

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playedgories xumpire | M

Leam of the playedgories xumpire. Soriesid = Sories. Seriesid>

Series

