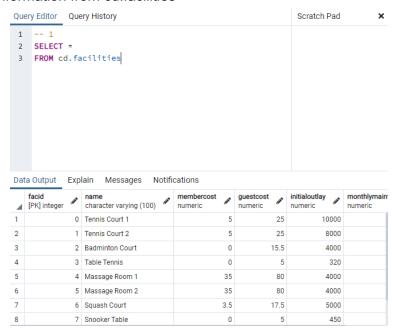
HOMEWORK 1 : EXERCISE FOR MASTERING SQL (Khayima Arnisti)

1. Retrieve the information from cd.facilities

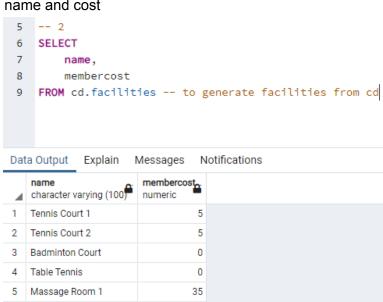


2. List of facilities name and cost

6 Massage Room 2

7 Squash Court

8 Snooker Table

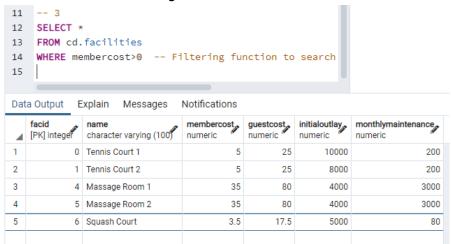


35

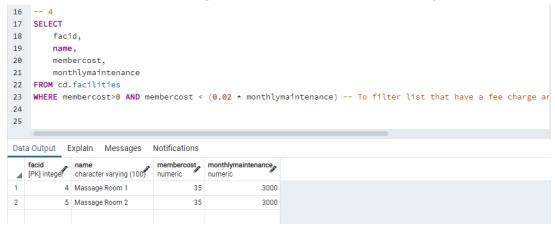
3.5

0

3. List of facilities that have a fee charge to members



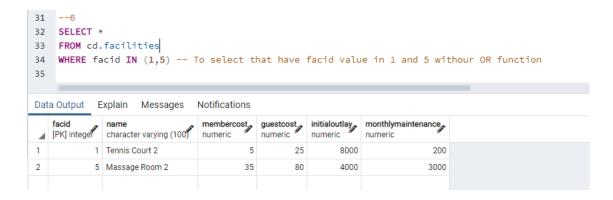
4. List facilities that have a fee charge and fee less than 1/50 of monthly maintenance



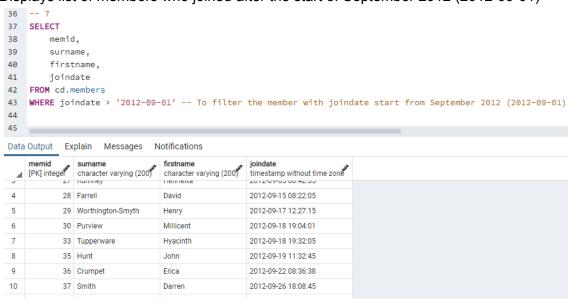
5. Displays of list all facilities with the word 'Tennis'

```
25 --5
26 SELECT *
27 FROM cd.facilities
28 WHERE name LIKE '%Tennis%' -- This filter to display name that consist of 'Tennis' word
29 LIMIT 3 -- Expected row
30
31
Data Output Explain Messages
                                 Notifications
   facid
                                              guestcost
                                                       initialoutlay, monthlymaintenance,
                                  membercost
 [PK] integer
             character varying (100)
                                                        numeric
                                                                    numeric
                                  numeric
                                              numeric
            0 Tennis Court 1
1
                                            5
                                                     25
                                                             10000
                                                                                  200
2
            1 Tennis Court 2
                                            5
                                                     25
                                                              8000
                                                                                  200
                                                      5
3
            3 Table Tennis
                                            0
                                                               320
                                                                                   10
```

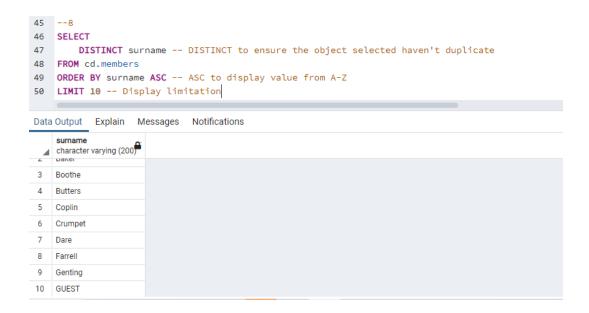
6. Displays all of facilities columns that facid 1 and 5



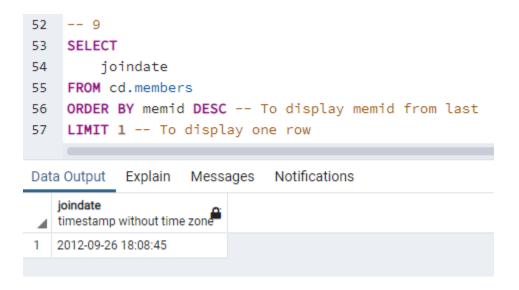
7. Displays list of members who joined after the start of September 2012 (2012-09-01)



8. Displays an ordered list of the first 10 surnames in the members table? The list must not contain duplicates



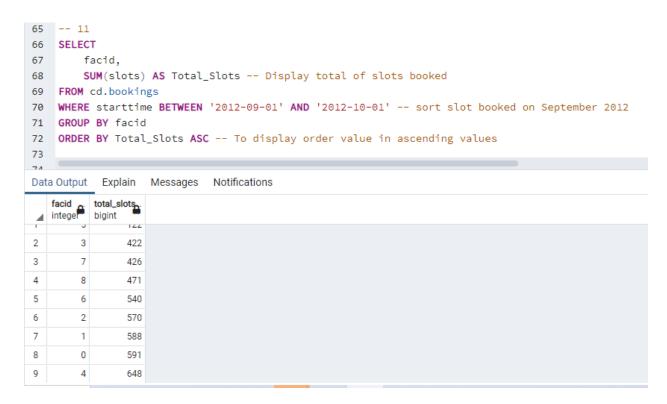
9. To get the signup date of your last member with the result expectation '2012-09-26 18:08:45 '



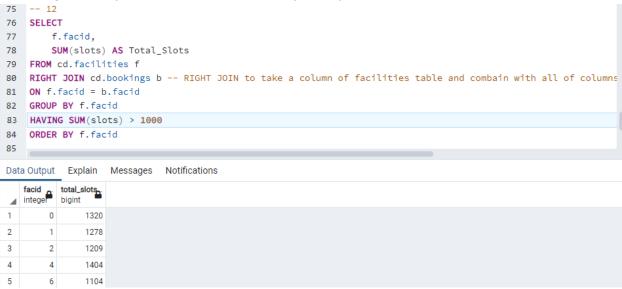
10. Produce a count of the number of facilities that have a cost to guests of 10 or more

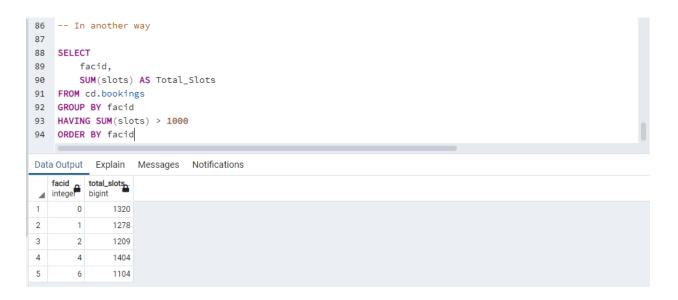


11. Produce a list of the total number of slots booked per facility in the month of September 2012. Produce an output table consisting of facility id and slots, sorted by the number of slots.

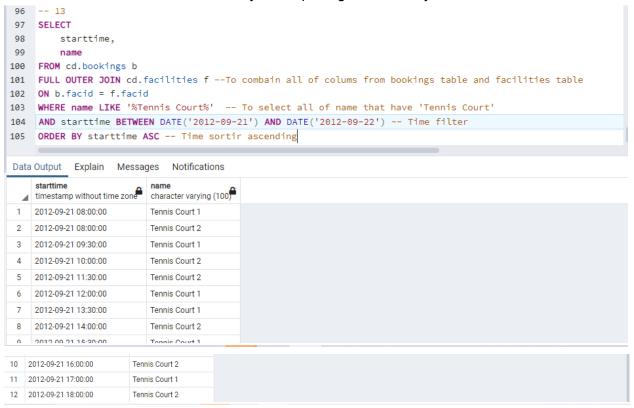


12. Produce a list of facilities with more than 1000 slots booked. Produce an output table consisting of facility id and total slots, sorted by facility id





13. Produce a list of the start times for bookings for tennis courts, for the date '2012-09-21' and return a list of start time and facility name pairings, ordered by the time



14. Produce a list of the start times for bookings by members named 'David Farrell'

```
107 -- 14
108 SELECT
109 starttime
110 FROM cd.bookings b
111 FULL OUTER JOIN cd.members m -- To combain all of colums from bookings table and members table
112 ON b.memid = m.memid
113 WHERE firstname LIKE '%David%' AND surname LIKE'%Farrell%' -- To select all of name that have firstname =
114 ORDER BY starttime
Data Output Explain Messages Notifications

    ★ timestamp without time zone

 1 2012-09-18 09:00:00
  2 2012-09-18 13:30:00
  3 2012-09-18 17:30:00
  4 2012-09-18 20:00:00
  5 2012-09-19 09:30:00
  6 2012-09-19 12:00:00
  7 2012-09-19 15:00:00
  8 2012-09-20 11:30:00
  0 2012 00 20 14-00-00
 Data Output Explain Messages Notifications
   starttime

    ■ timestamp without time zone

  9 2012-09-20 14:00:00
 10 2012-09-20 15:30:00
 11 2012-09-21 10:30:00
 12 2012-09-21 14:00:00
 13 2012-09-22 08:30:00
 14 2012-09-22 17:00:00
 15 2012-09-23 08:30:00
 16 2012-09-23 17:30:00
 17 2012 00 22 10-00-00
 18 2012-09-24 08:00:00
 19 2012-09-24 12:30:00
 20 2012-09-24 16:30:00
 21 2012-09-25 15:30:00
 22 2012-09-25 17:00:00
 23 2012-09-26 13:00:00
 24 2012-09-26 17:00:00
 25 2012-09-27 08:00:00
 timestamp without time zone
 27 2012-09-28 11:30:00
 28 2012-09-28 13:00:00
 29 2012-09-29 10:30:00
 30 2012-09-29 13:30:00
 31 2012-09-29 14:30:00
 32 2012-09-29 16:00:00
 33 2012-09-29 17:30:00
 34 2012-09-30 14:30:00
```