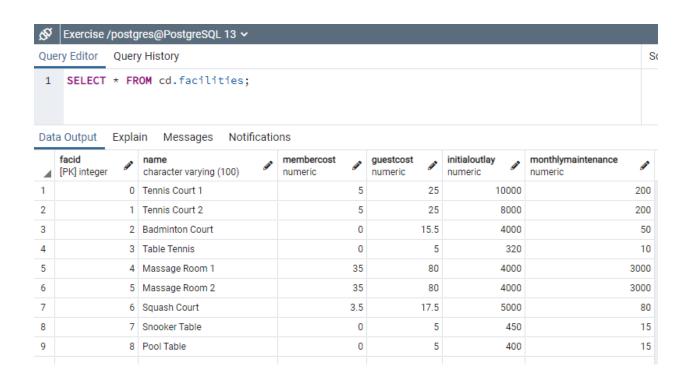
PROJECT-1

1. SQL QUERIES

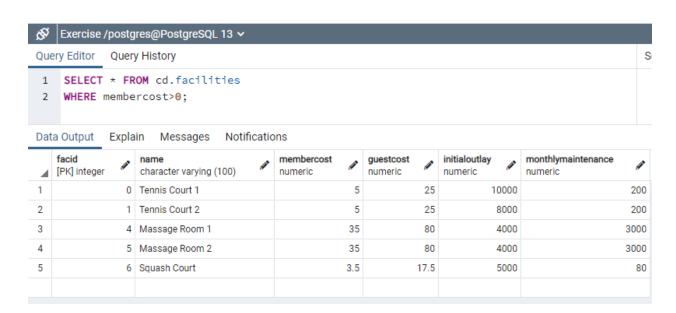
1. How can you retrieve all the information from the cd.facilities table?



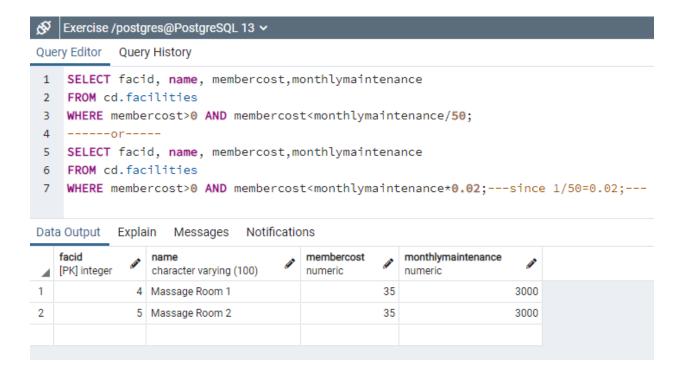
2. You want to print out a list of all of the facilities and their cost to members. How would you retrieve a list of only facility names and costs?

Exercise /postgres@PostgreSQL 13 ▼						
Query Editor Query History						
1	1 SELECT name, membercost FROM cd. facilities;					
Data Output Explain Messages Notifications						
_	name character varying (100)	membercost numeric				
1	Tennis Court 1	5				
2	Tennis Court 2	5				
3	Badminton Court	0				
4	Table Tennis	0				
5	Massage Room 1	35				
6	Massage Room 2	35				
7	Squash Court	3.5				
8	Snooker Table	0				
9	Pool Table	0				

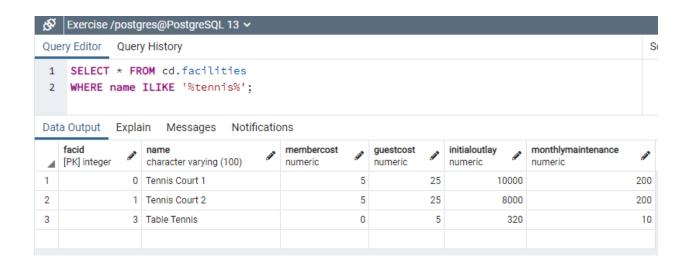
3. How can you produce a list of facilities that charge a fee to members?



4. How can you produce a list of facilities that charge a fee to members, and that fee is less than 1/50th of the monthly maintenance cost? Return the facid, facility name, member cost, and monthly maintenance of the facilities in question.



5. How can you produce a list of all facilities with the word 'Tennis' in their name?



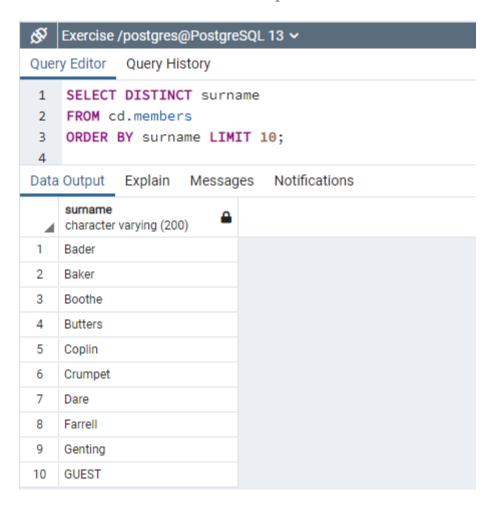
6. How can you retrieve the details of facilities with ID 1 and 5? Try to do it without using the OR operator.



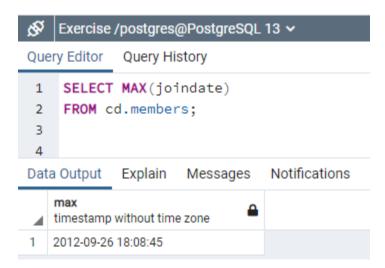
7.How can you produce a list of members who joined after the start of September 2012? Return the memid, surname, firstname, and joindate of the members in question.

Exercise /postgres@PostgreSQL 13 ✓							
Query Editor Query History							
1 2 3	<pre>SELECT memid, surname, firstname, joindate FROM cd.members WHERE joindate >='2012-09-01';</pre>						
Data Output Explain Messages Notifications							
4	memid [PK] integer	surname character varying (200)	firstname character varying (200)	joindate timestamp without time zone			
1	24	Sarwin	Ramnaresh	2012-09-01 08:44:42			
2	26	Jones	Douglas	2012-09-02 18:43:05			
3	27	Rumney	Henrietta	2012-09-05 08:42:35			
4	28	Farrell	David	2012-09-15 08:22:05			
5	29	Worthington-Smyth	Henry	2012-09-17 12:27:15			
6	30	Purview	Millicent	2012-09-18 19:04:01			
7	33	Tupperware	Hyacinth	2012-09-18 19:32:05			
8	35	Hunt	John	2012-09-19 11:32:45			
9	36	Crumpet	Erica	2012-09-22 08:36:38			
10	37	Smith	Darren	2012-09-26 18:08:45			

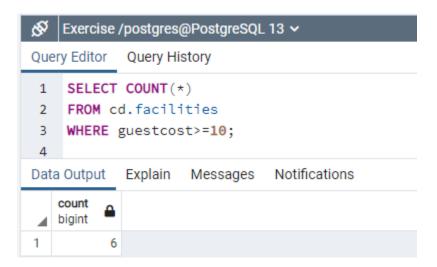
8. How can you produce an ordered list of the first 10 surnames in the members table? The list must not contain duplicates.



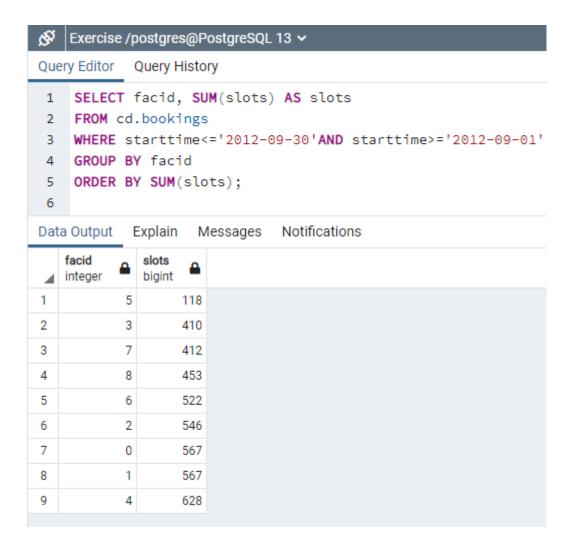
9. You'd like to get the signup date of your last member. How can you retrieve this information



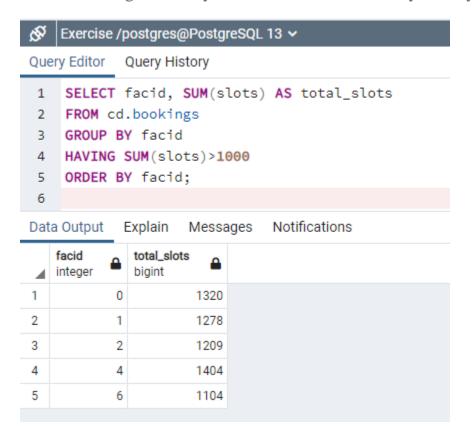
10. Produce a count of the number of facilities that have a cost to guests of 10 or more



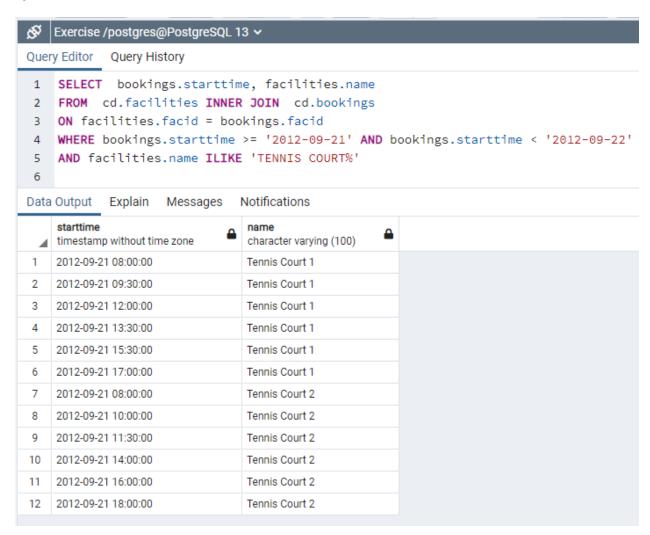
11. Produce a list of the total number of slots booked per facility in the month of September 2012. Produce an output table consisting of facility id and slots, sorted by the number of slots.



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.

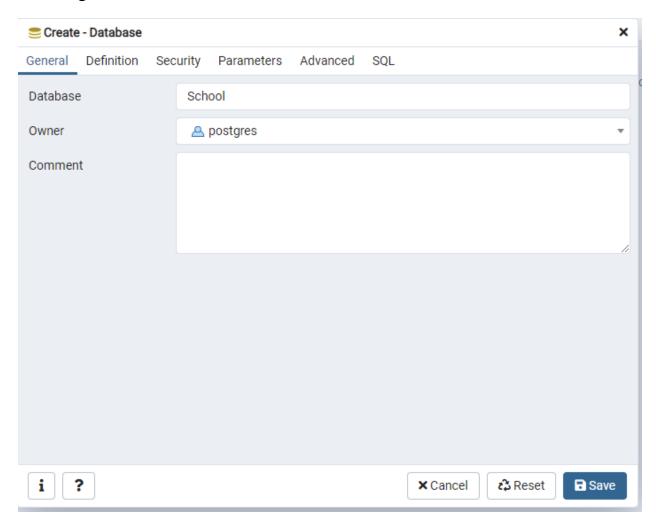


13. How can you produce a list of the start times for bookings for tennis courts, for the date '2012-09-21'? Return a list of start time and facility name pairings, ordered by the time.

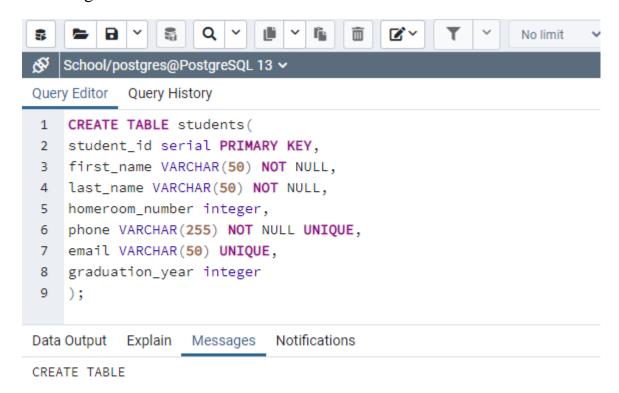


2. SQL DATABASE

*Creating database "student"

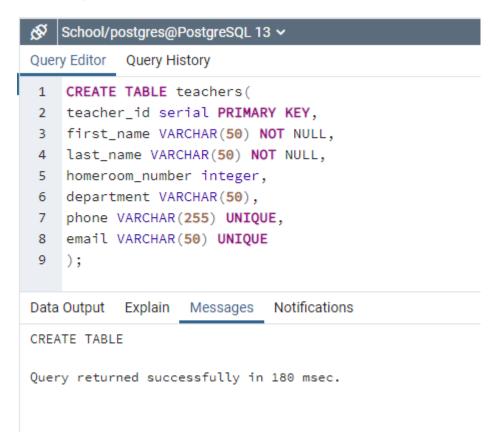


*Creating students table

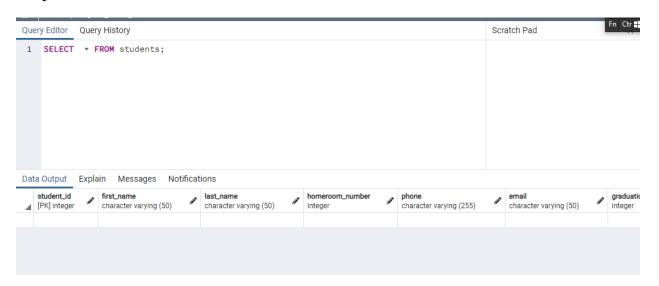


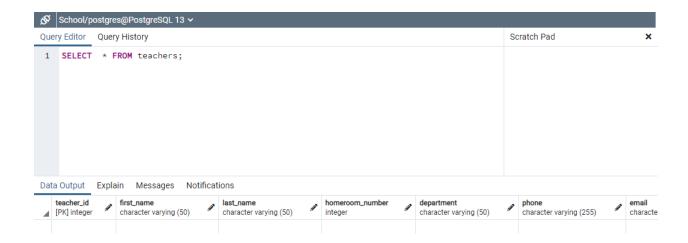
Query returned successfully in 240 msec.

*Creating teachers table



Output:





*insert a student named Mark Watney (student_id=1) who has a phone number of 777-555-1234 and doesn't have an email. He graduates in 2035 and has 5 as a homeroom number.



*insert a teacher names Jonas Salk (teacher_id = 1) who as a homeroom number of 5 and is from the Biology department. His contact info is: jsalk@school.org and a phone number of 777-555-4321.

