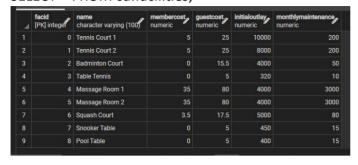
Homework SQL

SELECT * FROM cd.facilities;



2. SELECT

name,

membercost

FROM cd.facilities;



3. SELECT *

FROM cd.facilities

WHERE membercost > 0;

	facid [PK] integel	name character varying (100)	membercost numeric	guestcost numeric	initialoutlay numeric	monthlymaintenance numeric
1	0	Tennis Court 1	5	25	10000	200
2		Tennis Court 2	5	25	8000	200
3	4	Massage Room 1	35	80	4000	3000
4		Massage Room 2	35	80	4000	3000
5	6	Squash Court	3.5	17.5	5000	80

4. SELECT

facid,

name,

membercost,

monthlymaintenance

FROM cd.facilities

WHERE

membercost > 0

AND membercost < (monthlymaintenance/50);



5. SELECT *

FROM cd.facilities

WHERE name ILIKE '%tennis%';

4	facid [PK] integer	name character varying (100)	membercost numeric	guestcost numeric	initialoutlay numeric	monthlymaintenance numeric
1	0	Tennis Court 1	5	25	10000	200
2	1	Tennis Court 2	5	25	8000	200
3	3	Table Tennis	0	5	320	10

6. SELECT *

FROM cd.facilities

WHERE facid IN (1, 5);

	100	xplain Messages	Notifications			
	facid [PK] integer	name character varying (100)	membercost numeric	guestcost. numeric	initialoutlay numeric	monthlymaintenance numeric
	1	Tennis Court 2	5	25	8000	200
2	5	Massage Room 2	35	80	4000	3000

7. SELECT

memid, surname, firstname,

joindate

FROM cd.members

WHERE joindate >= '2012-09-01';

500000000000000000000000000000000000000			PRINCES SAME		
À	memid [PK] integer	surname character varying (200)	firstname character varying (200)	joindate timestamp without time zone	
	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	

8. SELECT

DISTINCT surname

FROM cd.members

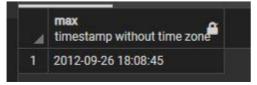
ORDER BY 1

LIMIT 10;



9. SELECT MAX(joindate)

FROM cd.members;



10. SELECT COUNT(*)

FROM cd.facilities

WHERE guestcost >= 10;



11. SELECT

facid,

SUM(slots) AS total_slots

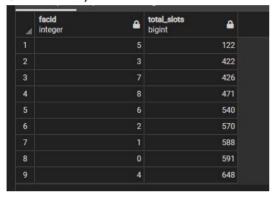
FROM cd.bookings

WHERE

starttime BETWEEN '2012-09-01' AND '2012-10-01'

GROUP BY 1

ORDER BY 2;



12. SELECT

f.facid,

SUM(b.slots) AS Total_Slots

FROM cd.facilities AS f

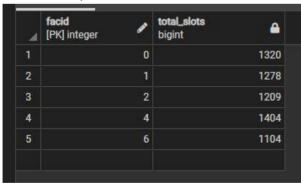
FULL OUTER JOIN cd.bookings AS b

ON f.facid = b.facid

GROUP BY 1

HAVING SUM(b.slots) > 1000

ORDER BY 1;



13. SELECT

b.starttime AS start,

f.name

FROM cd.bookings b

INNER JOIN cd.facilities f

ON b.facid = b.facid

WHERE

name ILIKE '%tennis court%'

AND b.starttime BETWEEN '2012-09-21' AND '2012-09-22'

ORDER BY 1;

á	timestamp without time zone	character varying (100)
1	2012-09-21 08:00:00	Tennis Court 1
2	2012-09-21 08:00:00	Tennis Court 2
3	2012-09-21 08:00:00	Tennis Court 1
4	2012-09-21 08:00:00	Tennis Court 2
5	2012-09-21 08:30:00	Tennis Court 1
6	2012-09-21 08:30:00	Tennis Court 2
7	2012-09-21 08:30:00	Tennis Court 1
8	2012-09-21 08:30:00	Tennis Court 2
9	2012-09-21 08:30:00	Tennis Court 1

14. SELECT

m.memid,
m.surname,
m.firstname,
m.joindate,
b.starttime
FROM cd.members m
FULL OUTER JOIN cd.bookings b
ON m.memid=b.memid
WHERE

m.firstname ILIKE '%david%' AND m.surname ILIKE '%Farrell;

4	memid integer	•	surname character varying (200)	firstname character varying (200)	joindate timestamp without time zone	starttime timestamp without time zone
1		28	Farrell	David	2012-09-15 08:22:05	2012-09-18 09:00:00
2		28	Farrell	David	2012-09-15 08:22:05	2012-09-18 13:30:00
3		28	Farrell	David	2012-09-15 08:22:05	2012-09-18 17:30:00
4		28	Farrell	David	2012-09-15 08:22:05	2012-09-18 20:00:00
5		28	Farrell	David	2012-09-15 08:22:05	2012-09-19 09:30:00
6		28	Farrell	David	2012-09-15 08:22:05	2012-09-19 12:00:00
7		28	Farrell	David	2012-09-15 08:22:05	2012-09-19 15:00:00
8		28	Farrell	David	2012-09-15 08:22:05	2012-09-20 11:30:00
9		28	Farrell	David	2012-09-15 08:22:05	2012-09-20 14:00:00