

CS 315 Midterm A Key

3-

```
SELECT facid, name  
FROM facilities  
WHERE membercost = 100
```

4-

```
SELECT facid, name, guestcost  
FROM facilities  
WHERE membercost < guestcost / 2
```

5-

```
SELECT DISTINCT surname  
FROM members  
ORDER BY surname
```

6-

```
SELECT firstname, surname, telephone  
FROM members  
WHERE firstname LIKE 'z%k'
```

7-

```
SELECT *  
FROM members  
WHERE zipcode NOT IN (60621,60625,60623,60654)
```

8-

```
SELECT COUNT(memid)  
FROM members  
WHERE telephone LIKE '312%'
```

9-

```
SELECT *  
FROM facilities  
WHERE membercost < (SELECT AVG(membercost)  
                     FROM facilities)
```

10-

```
SELECT MIN(memberBooked.totalMembers)  
FROM (  
    SELECT COUNT (DISTINCT memid) as totalMembers, facid  
    FROM bookings
```

GROUP BY facid
) as memberBooked

11-
SELECT monthlymaintenance, facid
FROM facilities
WHERE monthlymaintenance BETWEEN 50 AND 100
GROUP BY facid

12-
SELECT membercost
FROM facilities f JOIN bookings b
ON f.facid = b.facid JOIN members m
ON m.memid = b.memid
WHERE firstname='Gerald' AND lastname='Butters'

13-
SELECT firstname, surname, telephone
FROM members m JOIN bookings b
ON m.memid = b.memid JOIN facilities f
ON b.facid = f.facid
WHERE zipcode IN (60612, 60624) AND name LIKE 'Table Tennis%'

14-
SELECT f.facid, name, SUM(slots)
FROM facilities f JOIN bookings b
ON f.facid = b.facid
WHERE name LIKE '%Tennis%'
GROUP BY f.facid

15-
UPDATE facilities
SET guestcost = 10
WHERE name LIKE 'Tennis Court'

16-
DELETE FROM members
WHERE recommendedby IS NOT NULL

17-
INSERT INTO facilities (facid, name, membercost, guestcost, initiallayout, monthlymaintenance) VALUES (0, 'Softball Field', 40, 55, 15000, 300)