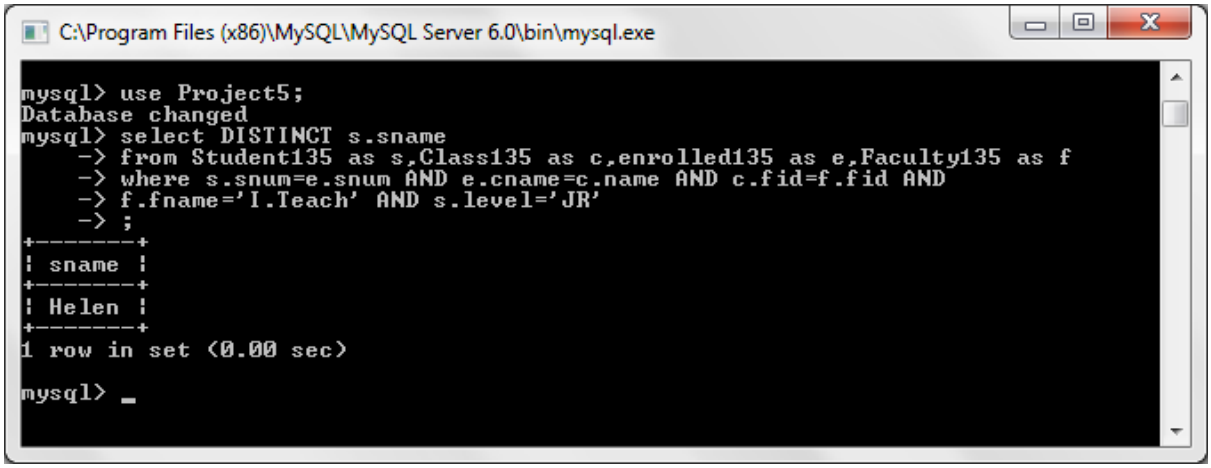
1) Find the names of the juniors (level=JR) who are enrolled in class taught by I.Teach.

SELECT DISTINCT S.Sname

FROM Student135 as S, Class135 as C, Enrolled135 as E, Faculty135 as F

WHERE S.snum = E.snum AND E.cname = C.name AND C.fid = F.fid AND

F.fname = 'I.Teach' AND S.level = 'JR';



2) Find the age of the oldest student who is either a History major or enrolled in c course taught by I.Teach.

SELECT MAX(S.age)

FROM Student135 as S

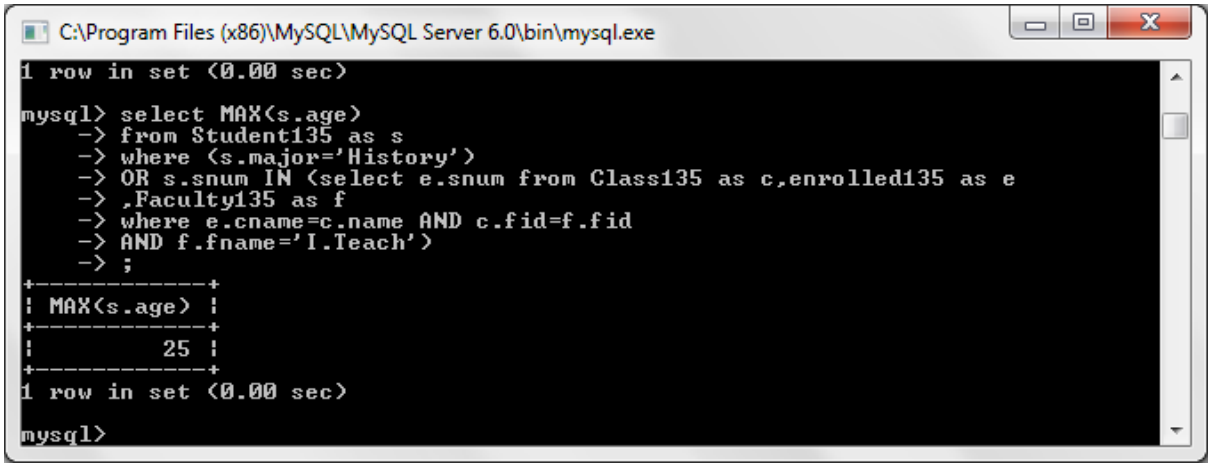
WHERE (S.major = 'History')

OR S.snum IN (SELECT E.snum

FROM Class135 as C, Enrolled135 as E, Faculty135 as F

WHERE E.cname = C.name AND C.fid = F.fid

AND F.fname = 'I.Teach')



3) Find the names of all classes that either meet in room BA1080 or have two or more students enrolled.

SELECT C.name

FROM Class135 as C

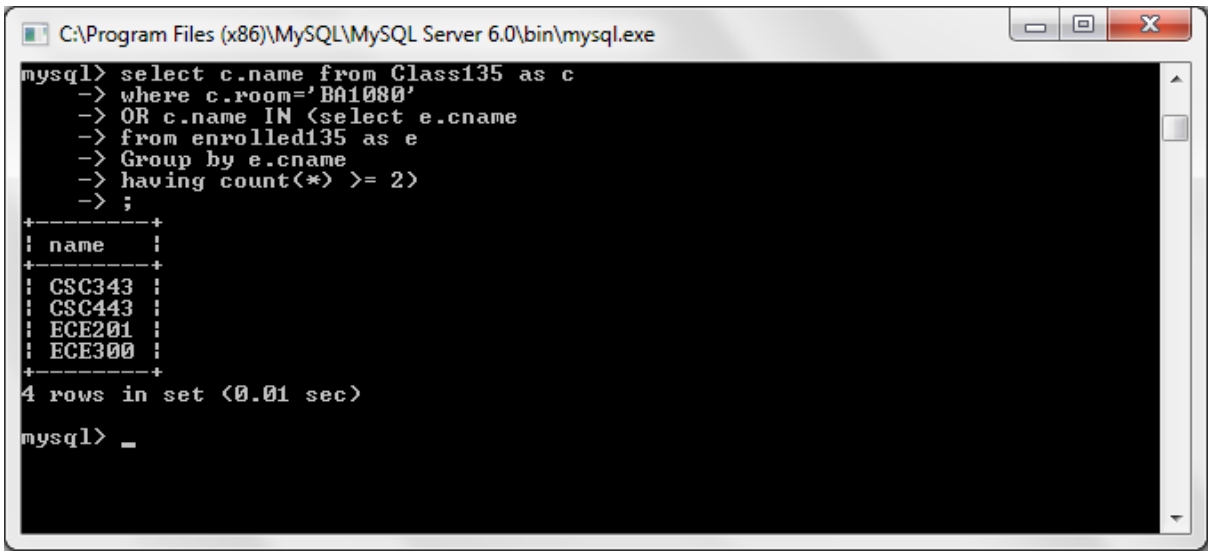
WHERE C.room = 'BA1080'

OR C.name IN (SELECT E.cname

FROM Enrolled135 as E

GROUP BY E.cname

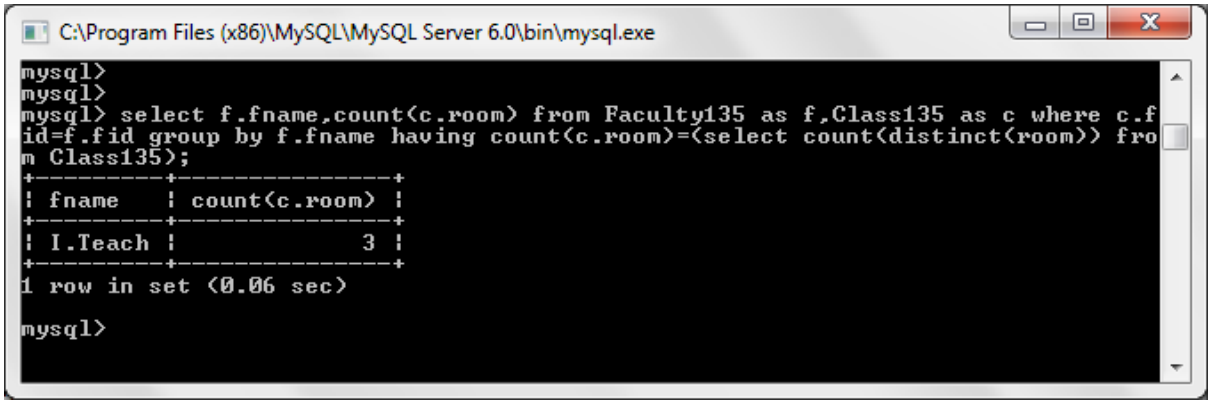
HAVING COUNT (*) >= 2)



4) Find the names of all students who are enrolled in two classes that meet at the same time.

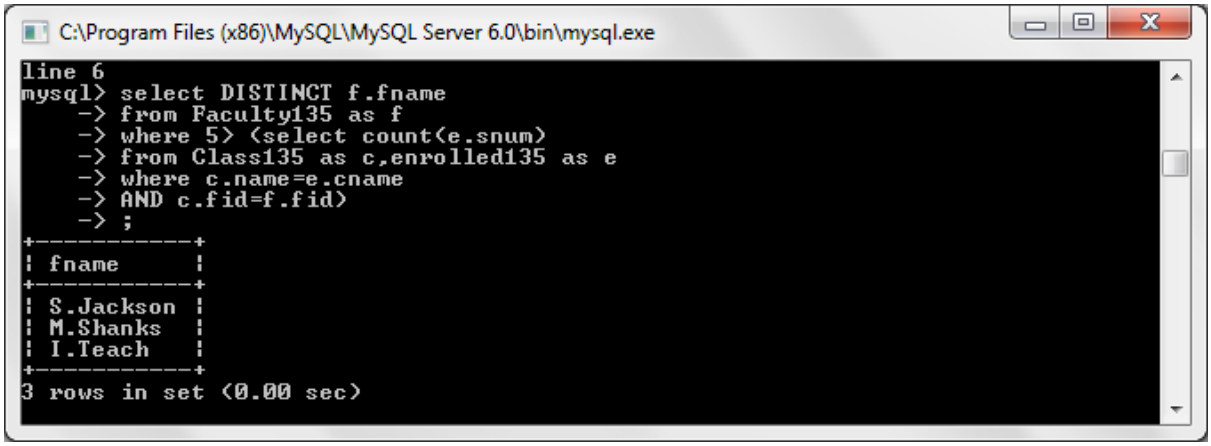
5) Find the names of faculty members who teach in every room in which some class is taught.

```
select f.fname,count(c.room)
 from Faculty135 as f,Class135 as c
where c.fid=f.fid
group by f.fname
having count(c.room)=(select count(distinct(room)) from Class135);
```



6) Find the names of faculty members for whom the combined enrollment of the courses that they teach is less than five.

```
SELECT DISTINCT F.fname
FROM Faculty135 as F
WHERE 5 > (SELECT COUNT (E.snum)
FROM Class135 as C, Enrolled135 as E
WHERE C.name = E.cname
AND C.fid = F.fid)
```

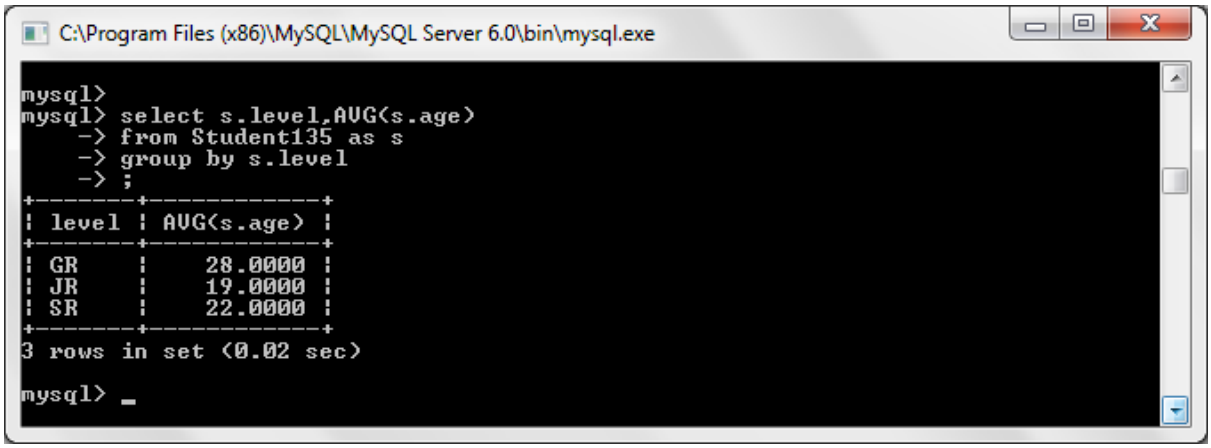


7) For each level, print the level and the average age of students for that level.

SELECT S.level, AVG(S.age)

FROM Student135 as S

GROUP BY S.level;



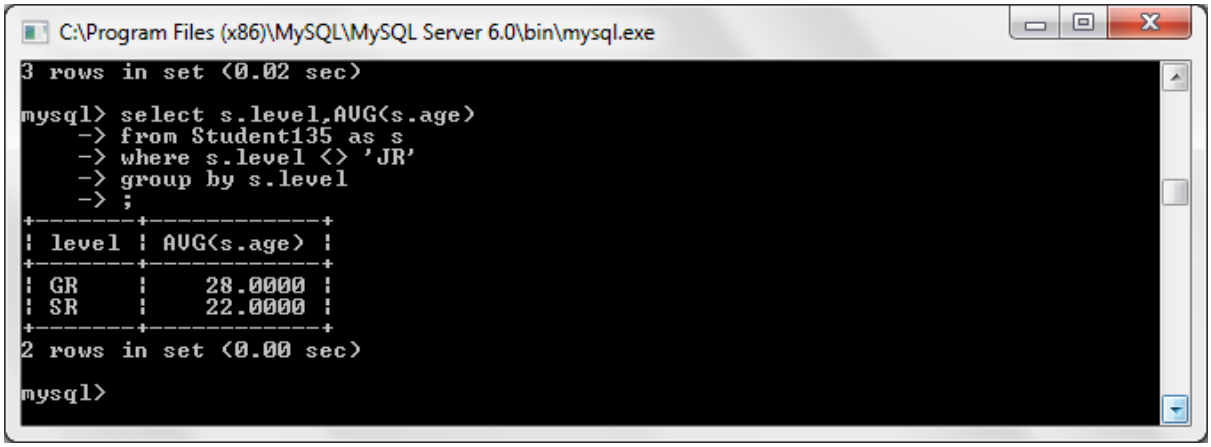
8) For all levels except JR, print the level and the average age of students for that level.

. SELECT S.level, AVG(S.age)

FROM Student135 as S

WHERE S.level <> 'JR'

GROUP BY S.level



9) For each faculty member that has taught classes only in room BA1080, print the faculty members name and the total number of classes she or he has taught.

Select f.fname,count(room)

From Faculty135 as f,Class135 as c

Where f.fid=c.fid AND c.room='BA1080'

Group by f.fname;

10) Find the names of students enrolled in the maximum number of classes.