Question 3

3.a Find the names of all Seniors (level = SR) who are enrolled in a class taught by J. Doe.

```sql
select distinct S.sname
from Student S inner join Enrolled E on E.snum=S.snum
    inner join Class C on C.name = E.cname
    inner join Faculty F on F.fid = C.fid
where F.fname = 'J. Doe' and S.level = 'SR';
```

3.b For each level, print the level and the average age of all students for that level.

```sql
select level, AVG(age) as 'Average age'
from Student group by level;
```
Question 3

3.c For levels other than FR, list average age of students for that level. Result includes 2 columns, namely, level and average age.

```
select level, AVG(age) as 'Average age'
from Student where level != 'FR' group by level;
```

3.d List following information about faculty members who have taught classes only in room R128 (i.e. they never taught in any room other than R128). Result includes three columns, namely, fid, fname and number of distinct classes taught.

```
select F.fid, F.fname, count(C.name) as 'Dist Classes'
from Faculty F inner join Class C on F.fid = C.fid
where 'R128' =
all (select C2.room from Class C2 where C2.fid=F.fid)
group by F.fid, F.fname;
```