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[CS430] midterm exam BEN GIFTAKIS
1a) (πsname,age((πsid ((πcid (σcredits=4 Courses)) ⋈ (σgrade=10 Enrolled))) ⋈ Students))
1b) (πsname,age Students)- (πsname,age((πsid (σgrade<7 Enrolled)) ⋈ Students))
1c)
1d)
--1a
select c.cname
from Courses c, Enrolled e, Students s
where s.sid = e.sid and e.cid = c.cid and s.age in
 (select MAX(s.age)
  from Students s);
--1b
select c.cname
from Courses c, Enrolled e, Students s
where s.sid = e.sid and e.cid = c.cid and s.sid not in
 (select s.sid
  from Enrolled e, Students s
  where s.age > 25 and s.sid = e.sid and e.grade < 7);
--1c
select s.sname
from Courses c, Enrolled e, Students s
where
--1d
select c.cname AVG(e.grade)
from Courses c, Enrolled e, Students s
where s.sid = e.sid and e.cid = c.cid and s.age > 25
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group by c.cid
having count(*) > 10

--1e
select c.cname
from Courses c, Enrolled e, Students s
where s.sid = e.sid and e.cid = c.cid and s.sid not in
  (select s.age
  from Students s
  where s.age < 20)
group by c.name
```