1.a SELECT DISTINCT S.Sname

FROM Student S, Class C, Enrolled E, Faculty F

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

F.fname = "James Smith" AND S.level = "JR"

1.b SELECT MAX(S.age)

FROM Student S

WHERE (S.major = "History")

OR S.snum IN (SELECT E.snum

FROM Class C, Enrolled E, Faculty F

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

AND F.fname = "James Smith" )

1.c SELECT C.name

FROM Class C

WHERE C.room = "R128"

OR C.name IN (SELECT E.cname

FROM Enrolled E

GROUP BY E.cname

HAVING COUNT(\*) >= 5)

1.d SELECT DISTINCT S.sname

FROM Student S

WHERE S.snum IN (SELECT E1.snum

FROM Enrolled E1, Enrolled E2, Class C1, Class C2

WHERE E1.snum = E2.snum AND E1.cname <> E2.cname

AND E1.cname = C1.name

AND E2.cname = C2.name AND C1.meets\_at = C2.meets\_at)

1.e SELECT DISTINCT F.fname

FROM Faculty F

WHERE NOT EXISTS (( SELECT \*

FROM Class C )

EXCEPT

(SELECT C1.room

FROM Class C1

WHERE C1.fid = F.fid ))>5

1.f select F.fname

from Faculty F

where (select count(E.snum)

from Class C, Enrolled E

where C.name=E.cname

and C.fid=F.fid)

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

FROM Student S

GROUP BY S.level

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

FROM Student S

WHERE S.level <> "JR"

GROUP BY S.level

1.i SELECT F.fname,count(\*) as CourseCount

FROM Faculty F,Class C

WHERE F.fid=C.fid

GROUP BY F.fid,F.fname

HAVING all(C.room="R128")

1.j

1.k select S.sname

from Student S

where S.snum not in(select E.snum

from Enrolled E

where S.snum=E.snum);