# PSO Week 6 Solutions

1. Get student numbers, names and majors of students who do not have any ‘A’s in any courses.

SELECT s.snum, s.sname, d.dname

FROM Student s, Department d

WHERE s.deptid = d.deptid AND s.snum not in

(SELECT e.snum FROM ENROLLED e WHERE e.grade = 'A');

1. Find the names of (distinct) faculty who teach 2 or more classes in the same room

SELECT DISTINCT (f.fname)

FROM Faculty f, Class c1, Class c2

WHERE f.fid = c1.fid AND f.fid = c2.fid AND c1.cname <> c2.cname AND c1.room = c2.room;

1. Find the ids (snum) of the students majoring in a department whose faculty do not teach any classes

SELECT s.snum

FROM Student s

WHERE NOT EXISTS (SELECT \*

FROM Faculty f, Class c

WHERE f.fid=c.fid AND s.deptid=f.deptid);