

1. Get all possible combination of students and sections.
 - a. `select * from
student, section`
2. Get all possible combination of students and sections taken.
3. Get the id, name, and last name for all students who got a A in some course
 - a. `select student.sid, student.sfname, student.slname
from student, takes
where student.sid = takes.sid and takes.cgrade = 'A'`
4. Get the grade and section id, cid and cname for the course taken by the student with id 3
 - a. `select course.cid, course.cname, takes.secid, takes.cgrade
from course, takes, section
where course.cid = section.cid
and takes.secid = section.secid
and takes.sid = 3`
5. Get the id and professor name for professors who have taught MATE 3031
 - a. `select professor.pid, professor.pfname, professor.plname from
professor, teaches, section, course where professor.pid = teaches.pid
and teaches.secid = section.secid and course.cid = section.cid and
course.ccode = 'MATE3031'`
6. Compute the natural between student and takes.
 - a. SQL - `select * from student natural join takes`