

--1a

```
select course_id
  from course
 where credits > 3;
```

--1b

```
select building, room_number
  from classroom
 where building = 'Watson'
    or building = 'Packard';
```

--1c

```
select course_id, title
  from course
 where dept_name = 'Comp. Sci.';
```

--1d

```
select course_id
  from section
 where semester = 'Fall';
```

--1e

```
select id, name
  from student
 where tot_cred > 45
    and tot_cred < 90;
```

--1f

```
select name
  from student
 where name like '%a'
    or name like '%e'
    or name like '%i'
    or name like '%o'
    or name like '%y';
```

--1g

```
select course_id
  from prereq
 where prereq_id = 'CS-101';
```

--2a

```
select dept_name, avg(salary) as avg_salary
  from instructor
 group by dept_name
 order by avg_salary asc ;
```

--2b

```
with max_courses(building, count)
  (select building, count(*) from section group by building)
select building
  from max_courses
 order by count
 limit;
```

--2c

```
with max_courses(department, count)
  (select department, count(*) from section group by department)
select department
```

```
        from min_courses
        order by count
        limit;
--2e:
select id, name
    from instructor
   where dept_name = 'Biology'
        or dept_name = 'Philosophy'
        or dept_name = 'Music';
```