```
a)
a)
a)
a)
select *
from course
where credits > 3;
b)
select *
from classroom
where building = 'Watson' or building = 'Packard';
c)
select *
from course
where dept_name = 'Comp. Sci.';
d)
select course_id
from section
where semester = 'Fall';
e)
select *
from student
where tot_cred >45 and tot_cred <90;
f)
select *
from student
where name like '%a' or name like '%i'or name like '%u' or name like '%e' or name like '%0';
g)
select course_id
from prereq
where prereq_id = 'CS-101';
```

2)

```
a)
select dept_name, avg(salary)
from instructor
group by dept_name;
b)
select *
from department
where dept_name = (select dept_name
from (select dept_name, count(*)
from course
group by dept_name
order by count desc
limit 1 )as d);
c)
select dept_name, count(*)
from course
group by dept_name
order by count desc
```

## 3)

```
a)
from student
where id in (select id
from takes
where course id in (select course id
                              where dept_name = 'Comp. Sci.') and grade = 'A' or grade = 'A-');
b)
from instructor
                   from advisor
                                          from takes
from course
                            from takes
from instructor
where id in (select id
                   from advisor
                   where s id in (select id
                                          from takes
from section
where time_slot_id in (select time_slot.time_slot_id
from time_slot
 where end hr < 12);
```