-- LAB 4 Do not write off only Sensei67  
  
-- First Example  
SELECT \* from course WHERE credits > 3 ;  
SELECT \* from classroom WHERE bulding = 'Watson' or bulding = 'Packard';  
SELECT title from course WHERE dept\_name = 'Comp. Sci.';  
SELECT course\_id from section WHERE semester = 'Fall';  
SELECT ID , name from student WHERE tot\_cred > 45 and tot\_cred < 90 ;  
SELECT \* from student WHERE name SIMILIAR TO '%(a|e|i|u|o)';  
SELECT course\_id from prereq WHERE prereq\_id = 'CS-101';  
  
-- Second Example  
SELECT dept\_name, *avg*(salary) as avgerage from instructor group by dept\_name ORDER BY avgerage ;  
  
SELECT building, *count*(course\_id) as cnt from section group by building ORDER BY cnt desc limit 1;  
  
SELECT department.dept\_name, *count*(course.course\_id) as num from course, department  
WHERE course.dept\_name = department.dept\_name group by department.dept\_name ORDER BY *count*(course.course\_id);

SELECT dept\_name, *count*(course\_id) from course group by dept\_name having *count*(course\_id) =  
(SELECT *min*(counters) from (select *count*(course\_id) as counters from course group by dept\_name) as minis);  
  
SELECT ID, name from student WHERE ID in (select ID from (select ID, *count*(1) cnt from takes WHERE course\_id  
like 'CS%' group by ID) as n WHERE cnt > 3);  
  
SELECT ID, name from instructor WHERE dept\_name = 'Biology' or dept\_name = 'Philosophy' or dept\_name = 'Music';  
  
SELECT teaches.ID, name from instructor, teaches WHERE teaches.ID = instructor.ID and year = '2018' and  
instructor.ID not in (SELECT distinct teaches.ID from teaches WHERE year = '2017');  
  
-- Third Exaple  
  
SELECT distinct name from student, takes WHERE student.ID = takes.ID and course\_id like 'CS%' and (grade = 'A' or grade = 'A-')  
order by name;  
  
SELECT distinct name from advisor, takes, instructor where s\_ID = takes.ID and i\_ID = instructor.ID and  
(grade = 'C' or grade = 'B-' or grade = 'C+' or grade = 'C-' or grade = 'F');  
  
SELECT distinct dept\_name from course where dept\_name not in (select dept\_name from course, takes  
where course.course\_id = takes.course\_id and takes.grade in ('F','C'));  
  
SELECT distinct name from instructor where name not in (select instructor.*name* from takes, teaches, instructor  
where takes.course\_id = teaches.course\_id and instructor.id = teaches.id and takes.grade = 'A');  
  
SELECT distinct course.title, time\_slot.end\_hr, time\_slot.end\_min from section, course, time\_slot where  
section.course\_id = course.course\_id and time\_slot.time\_slot\_id = section.time\_slot\_id and  
section.time\_slot\_id in ('A','B','C');