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Sat 9:00-1:00PM

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HW # 2 Session 3

Create SELECT statements that would output

1. List all students and course ids of classes they are currently taking      (expected number of rows - 50)

select s.lname, s.fname, c.course\_id

from student s, class c

where s.ssn = c.stu\_ssn;

1. List all students, course ids and course descriptions for courses they are currently taking      (expected number of rows - 50)

select s.lname, s.fname, cl.course\_id, co.description

from student s, class cl, course co

where s.ssn = cl.stu\_ssn

and cl.course\_id = co.course\_id;

1. List all instructors, and their current students      (expected number of rows - 50)

select concat(i.fname, ' ', i.lname) as "Instructor Full Name", concat(s.fname, ' ', s.lname) "Student Full Name"

from instructor i, class c, student s

where i.ssn = c.inst\_ssn

and c.stu\_ssn = s.ssn

1. List all students, course ids and course descriptions. Include all student regardless of whether they are currently taking a class or not (think outer join)      (expected number of rows - 53)

select concat(s.fname, ' ', s.lname) "Student's Full Name", cl.course\_id, co.description

from student s

left join class cl

on s.ssn = cl.stu\_ssn

left join course co

on cl.course\_id = co.course\_id

5. List all instructors (currently teaching or not), classes they are teaching, and all their students (as well as students not taking any classes)      Hint - You need to use full join in Oracle. How would you do this in MySql? Think UNION      (expected number of rows - 55)   Use both old and new format to process the above requrests (do 2 of one, and 3 of another, your choice)

Oracle (Only 50 Rows)

SELECT i.fname || ' ' || i.lname as "Instructor Full Name", cl.course\_id, co.description, s.fname || ' ' || s.lname "Student Full Name"

FROM instructor i, class cl, course co, student s

WHERE i.ssn(+) = cl.inst\_ssn

AND cl.stu\_ssn = s.ssn(+)

AND cl.course\_id = co.course\_id

MySql