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CMPE138 HW2 Anahit Sarao

5.7.11 MySQL Community Server

MySQL Workbench 6.3.6 build 511 CE (64bit) MAC OSX

**A)**

select

name

from

instructor as teach

where

teach.salary > ANY

(

select salary from instructor where dept\_name LIKE 'CMPE' and name like "\_o%"

)

**B)**

select

dept\_name, COUNT(\*) as count

from

instructor as inst

inner join

teaches as teach

on

teach.ID = inst.ID

where

teach.semester LIKE 'Spring'

AND

teach.year LIKE '2010'

group by

inst.dept\_name

**C)**

select

co.title, sec.sec\_id, sec.semester, count(take.course\_id)

from

course as co

inner join

section as sec

on

sec.course\_id = co.course\_id

inner join

takes as take

on

take.course\_id = sec.course\_id

where

sec.year like '2010'

group by

co.course\_id

having

count(take.course\_id) > 4

order by

co.title

**D)**

select

inst.name as Prof\_Name, teach.course\_id as Course, COUNT(sec.sec\_id) as Total\_Sections\_Avail

from

instructor as inst

left join

teaches as teach

on

teach.ID = inst.ID

left join

section as sec

on

(

sec.sec\_id = teach.sec\_id

AND

sec.year >= '2010'

AND

sec.year <= '2014'

)

group by

inst.name

order by

inst.name

**E)**

select

co.course\_id

from

course as co

inner join

section as sec

on

sec.course\_id = co.course\_id

where

co.course\_id NOT IN( select c2.course\_id

from course as c2

inner join section as s2

on s2.course\_id = c2.course\_id

where s2.year like '2010'

and s2.semester like 'Spring'

)

and

sec.semester like 'Fall'

and

sec.year like '2009'

**F)**

select

inst.name

from

instructor as inst

where

inst.salary > (select MAX(i2.salary) from instructor as i2 where i2.dept\_name like 'Biology')

**G)**

select

su.name, su.ID

from

student as su

inner join

takes as take

on

take.ID = su.ID

where

take.course\_id like 'cmpe%'

group by

su.name

having

count(take.course\_id) = ( select count(c.title)

from course as c

where c.dept\_name like 'cmpe' )

**H)**

select

cor.title

from

course as cor

inner join

section as sec

on

sec.course\_id = cor.course\_id

where

sec.year like '2010'

group by

cor.title

having

count(sec.course\_id) < 2

**I)** Screenshots for part I from part H



