Reading Homework 3 (Due Wed 2/7, 3:20PM)

Due Feb 7, 2018 at 3:20pm **Points** 7 **Questions** 7 **Available** until May 20, 2018 at 3:21pm **Time Limit** None

Instructions

The reading assignment here is: Chapters 3.7 and 3.8.

This quiz was locked May 20, 2018 at 3:21pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	5 out of 7

Score for this quiz: 5 out of 7

Submitted Feb 6, 2018 at 11:15pm

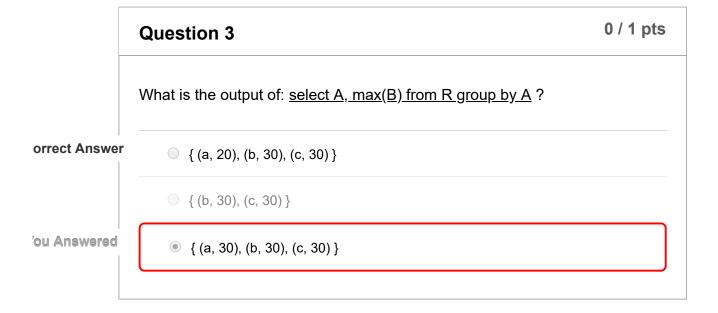
This attempt took 7 minutes.

Try to answer the following set of questions without using 'psql' or the notebooks (but you can check your work before you submit). The queries are on the following relation.

	Question 1	1 / 1 pts
	What is the output of: select max(B) from R?	
Correct!	(30)}	
	(b, 30), (c, 30)}	

(30), (30) }

	Question 2	1 / 1 pts
	What is the output of: select min(A) from R?	
Correct!	○ {(c)}	
	{ (a) }	
	(a, 10), (a, 20), (a, 10) }	
	(c, 20), (c, 30)}	





orrect Answer

'ou Answered

- (10, b), (20, c), (30, c) }
- { (10, c), (20, c), (30, c) }
- (10, a), (20, b), (30, b) }

Question 5 1 / 1 pts

What is the output of: select A, max(B) from R?

- All A values are returned with the max B value: { (a, 30), (b, 30), (c, 30) }
- For each A, max B is computed: { (a, 20), (b, 30), (c, 30) }

Correct!

- The query is invalid.

Only the A values that have the max B value are returned: { (b, 30), (c, 30) }

Question 6 1 / 1 pts

Assume you have a table called "prereq" that contains the following:

course id | prereq id

BIO-301 | BIO-101

BIO-399 | BIO-101

CS-190 | CS-101

CS-315 | CS-101

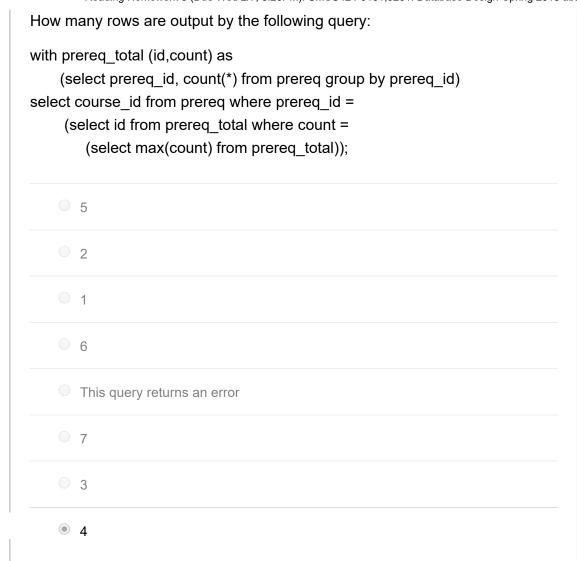
CS-319 | CS-101

CS-347 | CS-101

EE-181 | PHY-101

(7 rows)

Correct!



Question 7 1 / 1 pts

The following query is equivalent to the query from the previous question (i.e., it always produces the same result, not matter what is contained in the prereq table).

with prereq_total (id,count) as

(select prereq_id, count(*) from prereq group by prereq_id),

prereq_max (id) as

(select id from prereq_total where count = (select max(count) from prereq_total))

select course_id from prereq where prereq_id in (select id from prereq_max);

True

Correct!

False			

Quiz Score: 5 out of 7