[Instructions] [Notes] [PostgreSQL] [C] [Q1] [Q2] [Q3] [Q4] [Q5] [Q6] **[Q7]** [Q8]

Question 7 (10 marks)

Consider two relations R(id,x,y) and S(rid,a,b,c), with $b_R = 100$ and $b_S = 500$, and a join operation on these two tables:

select * from R join S on (R.id = S.rid)

Assume that each R tuple joins with exactly one S tuple, and that any hash functions used distribute the tuples uniformly.

Ignoring the cost of writing the final output (the joined tuples), describe how each of the following joins would occur and calculate the number of reads and writes that would occur in evaluating them:

- a. using simple hash join with 10 memory buffers
- b. using *hybrid* hash join with 20 memory buffers, and holding one bucket of *R* in memory Show all Working gnment Project Exam Help

Instructions:

Type you

https://eduassistpro.github.io/

Submit via: give cs9315 sample_q7

or via: Webcms3 > exams > Sample Exa edu_assist_plo End of Qu