

COMP9315 DBMS Implementation

Final Exam

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Question 7 (4 marks)

Consider the following concurrent schedule on three transactions:

T1:	R(X)	W(X)		R(Y)			W(Y)			
T2:			R(Y)		R(X)	W(Y)		W(X)		
T3:				R(X)			R(Y)		W(X)	W(Y)

Assume that all transactions commit successfully, and that no system failures prevent complete update of all changes to the database.

- a. Is the schedule *conflict* serializable?
(If you need to draw a graph for this, use a piece of paper or a drawing tool.
There's no need to submit your drawn graph, but some indication of its structure is required)
- b. Is the schedule *view* serializable?

Show all working.

Instructions:

- Type your answer to this question into the file called `q7.txt`
- Submit via: **give cs9315 exam_q7 q7.txt**
or via: Webcms3 > exams > Final Exam > Submit Q7 > Make Submission

End of Question