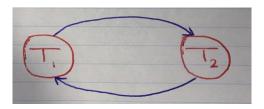# *Part 1:*

A)

T1	T2
R(X)	
R(Y)	
	R(X)
	R(Y)
	W(Y)
	R(X)
	R(Y)
W(X)	
	W(X)
	R(Z)
	W(Z)

B) No need. Because DBMS usually automatically treats each SQL statement as its own transaction unless otherwise specified and here, we have a single query that will be treated as its own transaction (If all you need to do is execute a single SQL statement to properly implement your application logic, you don't need to explicitly place the SQL statement within a transaction. Your database engine should generate an implicit transaction containing only the single SQL statement you are executing).