Student Name: _____

UTor ID: _____

Quiz 10. Conflict-serializable schedules

Suppose that Larry (L) and Harry (H) are two employees, and their salaries must be kept equal.
T1 sets their salaries to $1000 and T2 sets their salaries to $2000. Suppose DBMS scheduler decides on the order of operations depicted in *Figure* 1.

Does this order represent a conflict-serializable schedule? What constraint is violated if the actions are performed in this order?

```
T1                  T2
l1(L)
r(L)
L: = 1000
w1(L)
u1(L)
                    l2(H)
                    r2(H)
                    H: = 2000
                     w2(H)
                      ul2(H)
l1(H)
r1(H)
H: = 1000
w1(H)
ul1(H)
                    l2(L)
                    r2(L)
                    L: = 2000
                     w2(L)
                      ul2(L)
```

Figure 1. Actions sequence for two transactions

The best order is: _____