## quiz on concurrency control 2

**Due** Apr 23 at 11:59pm **Allowed Attempts** 2

Points 100

**Questions** 10

Available after Apr 15 at 12am

Time Limit None

Take the Quiz Again

## **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	5 minutes	84 out of 100

(!) Answers will be shown after your last attempt

Score for this attempt: 84 out of 100

Submitted Apr 21 at 5:41pm

This attempt took 5 minutes.

## If we ignore the B+ tree structure, just lock pages while traversing the tree, following 2PL, which node in the tree will be the bottleneck? root data record data entry

Question 2	10 / 10 pts
In the simple tree locking algorithm, locking starts at which node and goes down?	
root	

Question 3

Safe node means the node such that changes will not propagate down beyond this node.

True

False

A node N can be locked by a transaction T in S or IS mode only if the parent node N is already locked by this transaction in either IS or IX mode

True

False

**Question 5** 

10 / 10 pts

unlocking starts from where?	
oroot	
random node	
• bottom	
Question 6	10 / 10 pts
If a transaction T starts to unlock any node, it cannot lock a node anymore.    True	
False	
Question 7	10 / 10 pts
IS and IX are compatible but S and X are not.	
True	
False	

Question 8	10 / 10 pts
SIX and IX are not compatible but SIX and IS are.	
True	
<ul><li>False</li></ul>	

Partial

Question 9

4 / 10 pts

If the parent node of node N is already locked by transaction T in IX mode, then what lock can be granted for node N for this transaction?

Choose all the correct answers.

IS

SIX

SIX

IX

Incorrect Question 10 0 / 10 pts

ne parent node of node I nsaction?	N is already locked by transaction T in IS mode, then what lock can be granted for node N for	
pose all the correct answers.		
<b></b> SIX		
X		
<b></b> ✓ S		
<b></b> IS		
✓ IX		

Quiz Score: 84 out of 100