Reading Homework 10 (Due Wed March 28, 3:20PM)

Due Mar 28, 2018 at 3:25pm Points 12 Questions 9 Time Limit None

Instructions

This reading homework covers Section 11.3 of your textbook.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	23 minutes	4 out of 12

Score for this quiz: 4 out of 12

Submitted Mar 28, 2018 at 1:53pm

This attempt took 23 minutes.

All these questions ask about the B+ tree algorithms described in your textbook. Other B+ tree algorithms exist in the real world, but please answer these questions only using the algorithms from your textbook.

Question 1 1 / 1 pts

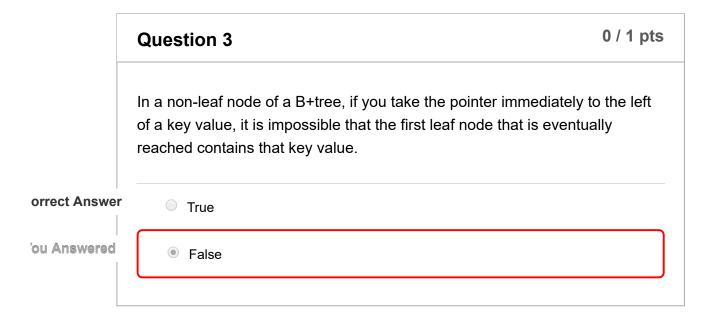
A table has an attribute, called foo, that is a candidate key for that table. A B+ index is created on foo. The find(V) algorithm described in Figure 11.11 of your textbook is performed twice consecutively, for two different V values of foo. No inserts or deletes happened between these searches. True or false: It is impossible for these different searches to visit a different number of nodes.

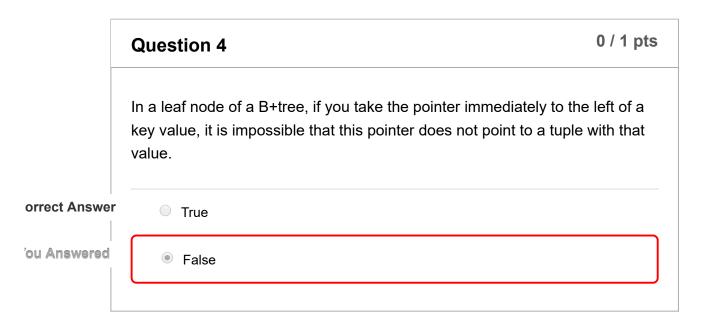
Correct!

True

False

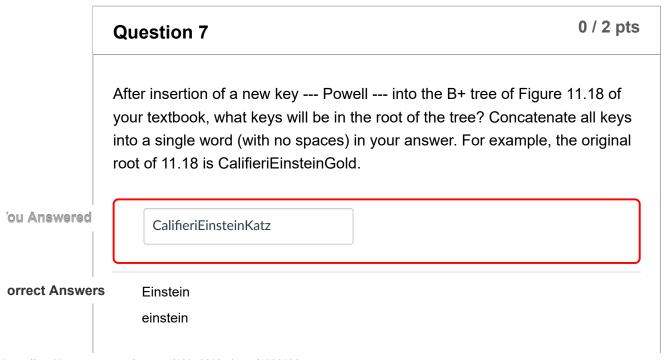
	Question 2	1 / 1 pts	
	Same question above, but now foo is not a candidate key.		
Correct!	True		
	False		





Question 5 Insertion of a new key --- Powell --- into the B+ tree of Figure 11.16 of your textbook will cause a non-leaf key to split. Ou Answered False

Question 6 Insertion of a new key --- Powell --- into the B+ tree of Figure 11.18 of your textbook will cause a non-leaf key to split. Orrect Answer Orrect Answer Orrect Answer False



Gold

gold

Question 8 2 / 2 pts

After insertion of a new key --- Powell --- into the B+ tree of Figure 11.14 of your textbook, the Mozart key is deleted. What keys will be in the root of the tree after these two operations? Concatenate all keys into a single word (with no spaces) in your answer (as above).

Correct!

GoldMozart

orrect Answers

GoldMozart

goldmozart

goldMozart

Goldmozart

Question 9 0 / 2 pts

After deletion of Brandt from the B+ tree of Figure 11.13 of your textbook, what keys will be in the direct parent of the leaf node that contains Adams? Concatenate all keys into a single word (with no spaces) in your answer (as above).

'ou Answered

AdamsCalifieriCrick

orrect Answers

EinsteinGold

einsteingold

Einsteingold

einsteinGold

Quiz Score: 4 out of 12