

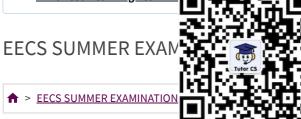


♀ QMplus Turnitin Assignment 程序代写代做 CS编程辅导



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QUESTION 1	Not yet answered Marked out of 10.00			
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Consider the figure below, which displays the logs (index and command) of a Leader and the ones of few followers in a cluster				
running Raft as consensus protocol. A CCI GROMANT Project	Evam Haln			
Assignment Project				
term $\begin{array}{c ccccccccccccccccccccccccccccccccccc$	rm 5			
Email: 1111016 @ 163	.com			
(c) 1 1 2 2 2 2 3 set of				
(d) add cmp mov imp div sh followers 1 1 1 3 4 2 2 add cmp mov imp div sh followers				
OO: (e) and sing seed in the joint most jump most jump of				
Here, the leader has just been elected for term 5. Note that the cluster has more than the sh	owed followers.			
-	owed followers.			
https://tutorcs.com Complete the sentences, selecting the right match. Keep in mind that entries are specified u	using the (index,term) format.			
The leader , as soon as elected, received requests from the external client. We	state whether those are			
committed or not as				
Follower (a)'s log occur. This is because				
, , 3				
Follower (b)'s log occur. This is because				
occan. Timo is sections.				
Follower (c)'s log occur. This is because				
occui. This is because	·			
Falleway (4) las				
Follower (d)'s log occur. This is because	•			
Follower (e)'s log occur. This is because				

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Suppose that you implemented kart and deployed it with all servers in the same datacenter. Now suppose that you were going to deploy the system with each server the same on in a different data of the specific of the specific would you need to make, if any, in the wide-area version of Raft compared to the single-datacenter version? O a. This is not possible. Raft requires machines to be as close as possible to each other. This is why we say "Raft cluster". O b. No changes, it shall w ○ c. We shall synchronise e latency between messages would be too high. ○ d. We shall decrease the O e. We shall increase the **QUESTION 3** Answer saved Marked out of 5.00 Consider a Raft cluster deployment. Put the events in the right chronological order, where the number 1, is the first to appear. A stores a new request on its log 1. Once A ascertains that the request has been processed by a majority of the servers, it consider it committed 3 A moves to Candidate state A becomes a Leader A follower (let's call it A) goes in timeout A executes the request A forwards the request to its followers https://tutorcs.com **QUESTION 4** Not yet answered Marked out of 5.00 Let's assume we have a total of 10 servers distributed in two different racks. Let's also assume that it takes around 1microsecond for a message to be broadcasted inside a rack. Instead, it takes around 10microseconds for a message to travel from one rack to the other. Decide if the following sentences are True or False. 1. I cannot use 10 servers for the consensus as I need an odd number: 2. If I use servers in both clusters, I need to set the election timeout to a number in the order of tens of microseconds: 3. If I use servers in both clusters, I need to set the election timeout to a number in the order of hundreds of microseconds: 4. If I use 10 servers, the system is resilient to four failures:

Jump to		

False

True

5. If I would decide to use only 2 servers, the system would not be resilient to any failures:





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