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Help vitorpbarbosa7

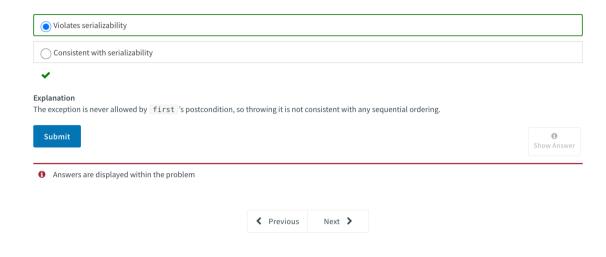


Course > Readin		ding 6: Thre	ead Safety	> Question	าร								
Previous			Ø.		Ø.		Ø		ď		Ø		Next >
Questions													
□ Bookmark thi	is page												
Serializabilit	Y												
5/5 points (graded)													
Suppose two threa	ds are sh	aring a My	/StringBu	ffer rep	esenting '	'z".							
For each pair of co	ncurrent (calls and th	neir result,	does that o	utcome vi	olate seria	lizability (a	nd therefo	re demons	trate that	MyString	Buffer is	not threadsaf
clear() and i	nsert(0	, "a") -	→ insert	throws a	n Index0	ut0fBoun	dsExcept	ion					
O Violates seria	alizability												
Consistent w	rith seriali	izability											
~													
Explanation	211				100								
Calling insert v									consistent	with any	sequential o	ordering.	
			Inscre	unowsa	Indexe	a co i bouii	dstreepe	1011					
Violates seria	alizability												
Consistent w	ith seriali	izability											
~													
Explanation This is consistent v	vith clear-	-followed-b	oy-insert. T	he preconc	lition pos	<= length o	f the curre	nt string is	violated, si	nce clear h	nappened fi	rst.	
first() and i	nsert(0	, "a") -	→ first	returns "a									
○ Violates seria	alizability												
Consistent w	rith seriali	izability											
~													
Explanation													
This is consistent v			-	-"									
first() and c	(lear()	→ Tirst	returns "	Ζ.									
○ Violates seria	alizability												
Consistent w	ith seriali	izability											

Explanation

This is consistent with first-followed-by-clear.

first() and clear() \rightarrow first throws an IndexOutOfBoundsException



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