Quiz - Lecture 12

Due 4 Sep at 23:59

Points 5 Questions 5

Available 3 Sep at 9:10 - 4 Sep at 23:59 1 day

Time limit None

Allowed attempts Unlimited

Take the quiz again

Attempt history

	Attempt	Time	Score
KEPT	Attempt 3	2 minutes	5 out of 5
LATEST	Attempt 3	2 minutes	5 out of 5
	Attempt 2	2 minutes	4 out of 5
	Attempt 1	less than 1 minute	1.67 out of 5

Score for this attempt: 5 out of 5

Submitted 3 Sep at 15:13 This attempt took 2 minutes.

Correct!

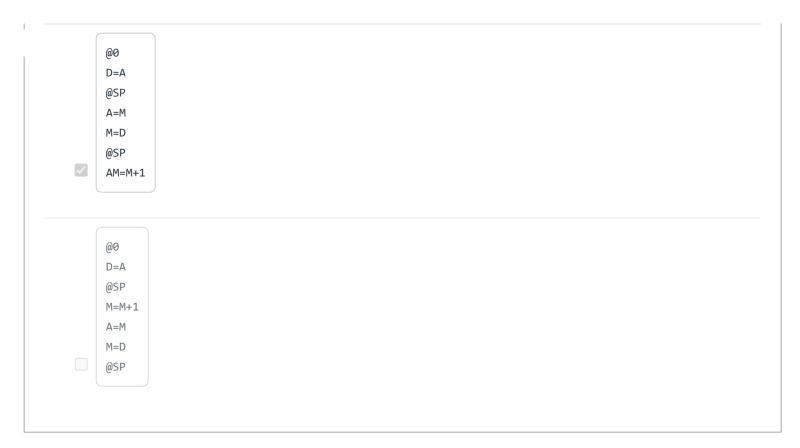


	sub
Correct!	☑ le
Correct!	✓ times
Correct!	✓ xor
Correct!	✓ divide
	gt
	neg
	add

	1 / 1 pts
Marick of the a fellowing of the constant of the characteristics which are supplied in the constant of the characteristics.	fallanda andalah
Which of the following fragments of Hack assembly language would implement the machine command? If there is more than one correct answer, select all of them.	e following virtual
push constant 0	

I			
Correct!	1		
		A=0	
		M=M+1	
	✓	AD=M-1	
		M=0	
Correct!			
Collecti		@SP	
		A=M	
		M=0	
		@SP	
	✓	M=M+1	
	(
		60	
		@0 D=A	
		@SP	
		M=D	
		@SP	
		M=M+1	
		@SP	
		M=M+1	
		A=M	
		M=0	
		@SP	

Correct!



Question 3 1 / 1 pts

Which of the following virtual machine commands would implement the following Jack expression?

```
let b = c - a
```

The variables a, b and c are in the local segment at offsets 2, 7 and 9 respectively.

р	ush local 9
р	ush local 2
SI	ub
Ор	ush local 7
р	ush local 9
р	ush local 2
SI	ub
po	op local 7
р	sush local 2
р	ush local 3
р	ush local 4
SI	ub
Ор	ор
р	op local 9
р	op local 2
CI	ub
51	

Correct!

push local 2		
push local 9		
sub		
pop local 7		

	Question 4	1 / 1 pts
	Which of the following are memory segments in the Hack Virtual Machine?	
Correct!	✓ static	
	variable	
Correct!	✓ argument	
	field	
Correct!	constant	

Question 5 1 / 1 pts

	How many memory segments does the Hack Virtual Machine store in the data memory?
	O 11
	O 5
	O 9
	O 8
Correct!	7
	O 10
	O 2

Quiz score: 5 out of 5