## **Quiz #10**

**Due** Apr 20 at 3:30pm **Points** 20 **Questions** 14

Available Apr 19 at 11:59am - Apr 20 at 3:30pm 1 day

Time Limit None

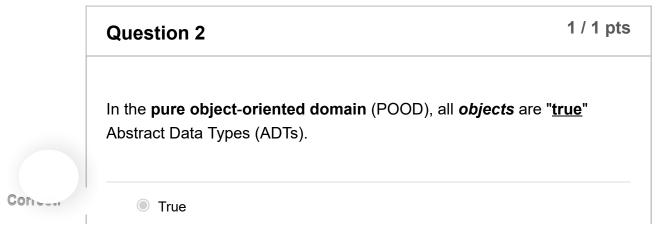
This quiz was locked Apr 20 at 3:30pm.

### **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	53 minutes	10 out of 20

Score for this quiz: **10** out of 20 Submitted Apr 20 at 11:10am This attempt took 53 minutes.

	Question 1	/ 1 pts
	In Smalltalk, the equivalency of <b>data</b> and <b>code</b> still holds as in Lisp	).
Correct!	True	
	○ False	



○ False

## Question 3 In POOD an <u>abstract</u> class does not have a behavior, it is mainly to spawn subclasses. True False

# Although, there is no explicit "typing" system, i.e., type declaration and type checking, the POOD languages still maintain a secure typing system! Correct! False

## Question 5 1 / 1 pts

A class's instance can still change the <u>state</u> of its <u>instantiating class</u>, <u>and all of its <u>super-classes</u> ancestors.</u>

Correct!	True	
	○ False	
	Question 6 0 / 1	pts
	Although, the <i>multiple_inheritance</i> feature in POOD is a <u>violation of</u> <u>classes' abstraction</u> , yet still <u>secure</u> .	
ou Answered	True	
orrect Answer	r	
L		
	Question 7 1/1	pts
	Upon receiving a message, an object might change its <b>own state</b> , and possibly <b>other objects' states</b> .	
Correct!	True	
	○ False	
L		
	Question 8	pts

	Any class in the POOD is an <u>object</u> that has a " <b>state</b> " and " <b>behavior</b> " that might be part of its definition, or inherited from its super-classes' ancestors in the <b>inheritance tree</b> hierarchy, up to the root class " <b>object</b> ".
Correct!	True
	○ False

	Question 9	1 / 1 pts
Correct!	Yes, a POOD has <i>polymorphic power</i> .	
	True	
	○ False	

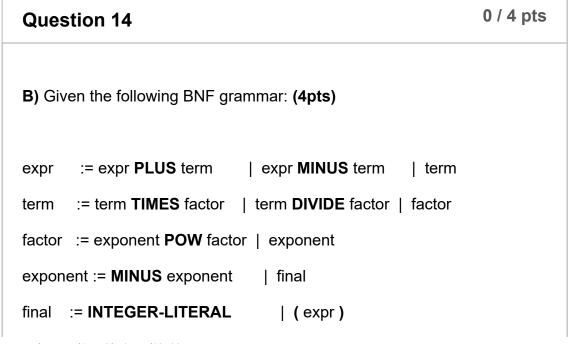


	Question 11	2 / 2 pts
	A) Giving the following Smalltalk statement:  sum := 0. 1 to: 50 by: 10 do:[:x  sum := sum +x]. ^sum.	
	a) what is the output of executing the above code?	
	33	
	O 45	
	O 100	
	300	
Correct!	none of the above	

Question 12	0 / 2 pts
Giving the same following Smalltalk statement as A:  sum := 0. 1 to: 50 by: 10 do:[:x  sum := sum +x]. ^sum.	
b) What is the message used in the above code?	
○ to	
o to:by do:	

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onone of the above	_
	o tobydo:  do:by:to:

## 0 / 2 pts **Question 13** Giving the same following Smalltalk statement as A: sum := 0. 1 to: 50 by: 10 do:[:x| sum := sum +x]. ^sum. c) Is the class recipient of the keyword message, in part b above, the Integer class? orrect Answer True ou Answered False



	PLUS := + MINUS := TIMES := * DIVIDE := / POW = **
	INTEGER-LITERAL := 0   1   2   3    8   9
	What is the value of the following expression: — 4**8
	32,478
	○ <i>-</i> 50,428
ou Answered	64,520
	○ <b>_</b> 65,536
orrect Answer	O 65,536
	onone of the above

Quiz Score: 10 out of 20