Take Home - 05

Due Mar 7 at 12pm **Points** 15 **Questions** 15 **Available** Mar 4 at 12pm - Mar 7 at 12pm 3 days **Time Limit** None

This quiz was locked Mar 7 at 12pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	21 minutes	9 out of 15

Score for this quiz: **9** out of 15 Submitted Mar 5 at 5:14pm This attempt took 21 minutes.

	Question 1	1 / 1 pts
	In Algol, blocks must define a scope of declaration of some name(s), hence it is represented as a box in the contour diagram (CD) scoping mechanism.	
Correct!	True	
	○ False	

Question 2

0 / 1 pts



2) In Algol, when the compiler looks up a non-local name's declaration, according to the CD rules, it cannot look (penetrate) outside-in a box except when this box is defined to represent a block.

Question 4

4) In Algol, blocks, procedures, and functions are examples of HLL's abstraction.

Correct!

False

Question 5 0 / 1 pts

7) The compiler is able to compute the "closures" for locally defined procedures/functions names, and place them in their definers' AR, as it does for all other local names with types such as integers, real, chars, etc.

Correct!

True

False

	Question 8	1 / 1 pts
	8) Explicit memory management garbage collection is much mor and efficient than being implicit.	re secure
	True	
Correct!	False	
	Question 9	1 / 1 pts
	9) In Pascal, the set, arrays, and enumerated types are true Abs Types (ADTs).	stract Data
Correct!	True	
	False	
	Question 10	1 / 1 pts
	10) Combining pointers and dynamic arrays in a HLL is better th utilizing one of them only.	an
Correct!	True	
	False	

Question 11 11) In the Algol " pass-by-name" parameter passing, the compiler will replace every formal parameter at the callee by a textual copy of its corresponding actual parameter in the call statement, then call its thunk. Du Answered True False

Question 12 12) The run-time stack content is not accessible at all by the compiler, except in dynamically scoped HLLs. True False

Question 13 0 / 1 pts

13) A HLL that deals with functions as first class citizens, i.e., passing and returning functions to/from other functions as first class types (FCTs) integer, should allow us to deal with functions closures as FCTs integer, hence adding, subtracting, multiplying them, too.

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ou Answered	True
orrect Answer	○ False
	Question 14 0 / 1 pts
	14) Static and dynamic scoping mechanisms are good to be combined in a HLL for efficiency, then it is up to the compiler to select which rule to apply to maximize efficiency.
ou Answered	True
orrect Answer	○ False
	Question 15 1 / 1 pts
	15) In Pascal, all AR's which constitute the environment of a HLL's construct, e.g., expressions and statements, to be executed as part of some procedure P, must be generated/exist at the run-time stack when P is called.
Correct!	True
	○ False

Quiz Score: 9 out of 15