Midterm Sample Quiz

Due No due date	Points 15	Questions 15	Time Limit None
Allowed Attempts Ur	nlimited		

Instructions

Take this sample midterm quiz to get a sense of the types of questions that you will see on Friday! If you have any questions about the answers or the format, please contact me immediately!

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	15 out of 15

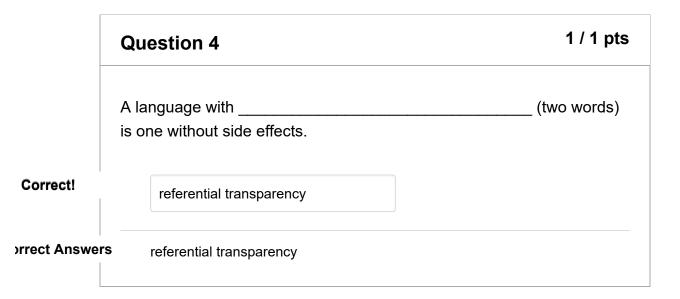
Submitted Oct 12 at 3:46pm

	Question 1		1 / 1 pts
Correct!	pipeline between the me Model.	nt statement (or expression) emory and the processor in the	
	imperative		
errect Answer	s object-oriented imperative		

	Question 2 1 / 1 pts	
	In a statically typed programming language, all the variables must have a type at the time of compilation. Please select all the different ways that a variable can be given a type at the time of compilation. (Again, please check all the ways!)	
Correct!	✓ Implicit - Inference	
Correct!	Implicit - Convention	
	Assumed	
Correct!	Explicit	
	Abstraction	
	Scoped	

	Question 3	1 / 1 pts
	Which of the following are the valid lifetimes for a variable.	
Correct!	☑ Implicit heap dynamic	
	Runtime	
	Modern	
	Classic	
Correct!	Explicit heap dynamic	

Correct! Stack dynamic Correct! Static



1 / 1 pts **Question 5** Consider this snippet of code: def wide() { receiver = "receiver contents" def out() { value_of_receiver = receiver print(f"receiver: {value_of_receiver}") def in() { out() } def around() { receiver = "not the wide value" out() around() def main() { wide() In this hypothetical language, 1. Every function has its own scope (enclosed between the () and the

	 and the name of that scope is the same as the function, scoping is dynamic, and program execution begins with the main function. When this program is invoked, execution begins at the main function which invokes wide. In turn, wide invokes around invokes out. Order the scopes that will be searched (from innermost to outermost) for receiver when it is accessed in out.		
Correct!	1	out	v
Correct!	2	around	v
Correct!	3	wide	v
Correct!	4	main	•
	Other Incorrect Match Op	ptions:	

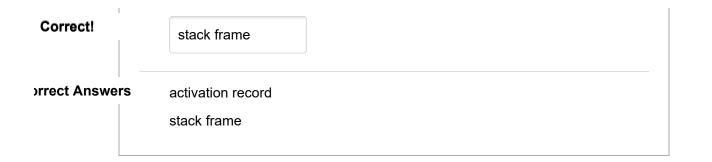
	Question 6 1 / 1 pts	;
	Which of the following are characteristics of a subprogram? (Check all that apply)	
Correct!	Subprogram has a single entry.	
Correct!	Program execution returns to the caller upon completion of the subprogram's execution.	
Correct!	Caller is suspended until completion of the subprogram.	

	☐ It cannot change the value of global variables.			
	Question 7	1 / 1 pts		
	The parameters of a subprogram a declared in the subprogram header.	re		
Correct!	formal			
orrect Answers	formal			
	Question 8	1 / 1 pts		
	The is the time during which a var bound to storage.	iable is		
Correct!	lifetime			
orrect Answers	lifetime			
	Question 9	1 / 1 pts		
	The (two words) of a subprogram contains the number, order and type of its formal parameters.			

I		
Correct!	parameter profile	
orrect Answers	parameter profile	
	Question 10	1 / 1 pts
	A(n)value.	is a subprogram that does not return a
Correct!	procedure	
orrect Answers	procedure	
	Question 11	1 / 1 pts
	Subprograms are	abstractions.
Correct!	process	
orrect Answers	process	
	Question 12	1 / 1 pts
	Thevalid programs.	of a language are the rules for constructing

Correct!	syntax	
orrect Answers	syntax	
	Question 13	1 / 1 pts
	A(n) (two words) is a pattern of problem-solving that underlies a particular genre of programs and languages.	g thought
Correct!	programming paradigm	
orrect Answers	programming paradigm	
	Question 14	1 / 1 pts
	A variable is scoped to a unit or block of a progradeclared there.	m if it is
Correct!	locally	
orrect Answers	local	
	Question 15	1 / 1 pts

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