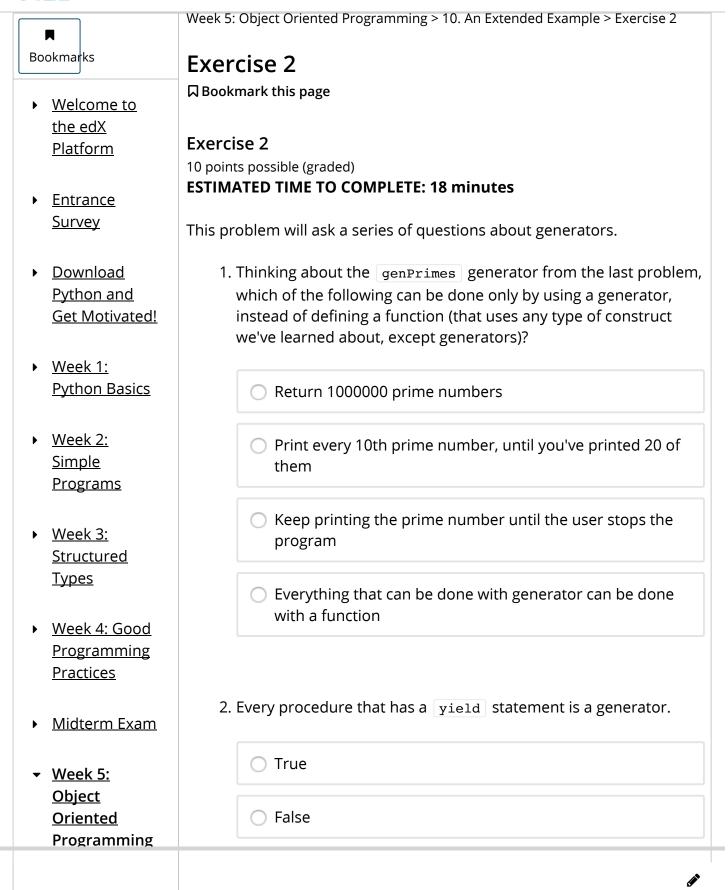


MITx: 6.00.1x Introduction to Computer Science and Programming ...

<u>Help</u>



9. Classes and Inheritance Finger Exercises 10. An Extended	3. If a procedure has only one <code>yield</code> statement, but that statement will never be executed, then the procedure is not a generator.
Example Finger Exercises	O True
Problem Set 5 Problem Set due Mar 2, 2017 15:30 PST	O False
Week 6: Algorithmic Complexity	4. If we were to use a generator to iterate over a million numbers, how many numbers do we need to store in memory at once?
► <u>Sandbox</u>	O 1
	O 2
	O 1000
	O 1000000
	O Don't need to store anything in memory
	For the following tasks, would it be best to use a generator, a standard function, or either? 1. Finding the nth Fibonacci number
	O Generator
	Standard function
	Either a generator or standard function is fine

2. Printing out an unbounded sequence of Fibonacci numbers
○ Generator
Standard function
Either a generator or standard function is fine
3. Printing out a bounded sequence of prime numbers, where the prime numbers are successively computed by division by smaller primes
○ Generator
Standard function
Either a generator or standard function is fine
4. Printing out an unbounded sequence of prime numbers, where the prime numbers are successively computed by division by smaller primes
O Generator
Standard function
Either a generator or standard function is fine
5. Finding the score of a word from the 6.00x Word Game of Pset 4
○ Generator

	Standard function	
	Either a generator or standard function is fine	
	Iterating over a sequence of numbers in a random order, when no number is repeated	where
	○ Generator	
	Standard function	
	Either a generator or standard function is fine	
Subi	mit	
Exerci Topic: Le	ise 2 ecture 10 / Exercise 2 Show Discu	ussion

© All Rights Reserved



© 2012-2017 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.



















