

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

<u>Help</u>



Week 5: Object Oriented Programming > 10. An Extended Example > Exercise: genPrimes

Welcome to the edX Platform

Exercise: genPrimes

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Entrance

<u>Survey</u>

Exercise: genPrimes 5.0 points possible (graded)

ESTIMATED TIME TO COMPLETE: 10 minutes

Download Python and

Get Motivated!

▶ Week 1: **Python Basics** Write a generator, genPrimes, that returns the sequence of prime numbers on successive calls to its <code>next()</code> method: 2, 3, 5, 7, 11, ...

▶ Week 2: <u>Simple</u> **Programs**

Hints

Ideas about the problem

Have the generator keep a list of the primes it's generated. A candidate number x is prime if (x % p) != 0 for all earlier primes p.

<u>Types</u>

Week 3: <u>Structured</u>

▶ Week 4: Good **Programming Practices**

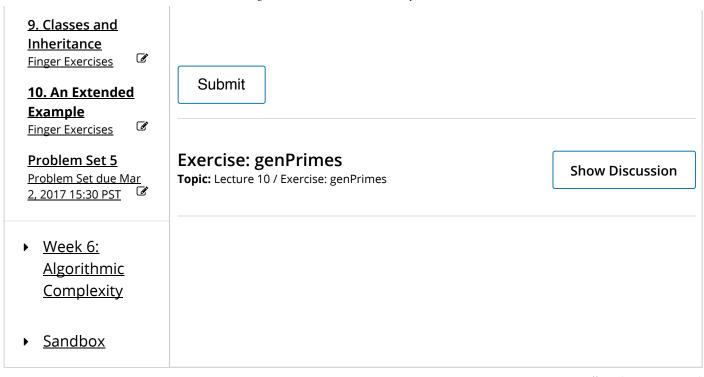
Midterm Exam

1 None

Press ESC then TAB or click outside of the code editor to exit

▼ Week 5: **Object Oriented Programming**

Unanswered



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