SECTION 13: PYTHON GENERATORS - 17 minutes, 3 parts

2/3 Generators Homework Overview

- iterators and generators homework solutions
 - generating the sum of squares
 - -> creating a generator which generates the squares
 - -> for in in range N
 - -> we want to yield i**2

random number generator

- -> then create a generator for random numbers
- -> we are yielding a random integer
- -> then use the iter() function to convert the string into an iterator

o converting a string into an iterable

-> by using iter()

explain a use case for a generator

- -> a case where we would want to use an iterator for normal memory management
- -> using a yield statement where we would not want to use a normal function, or a return statement

o extra problem

-> he has given us a gencomp variable, and we are being asked to explain what it's doing