**Python socket module**

**Research python modules**

**Try and except keywords**

**Import subprocess**

**Import datetime**

**Import re import argparse**

**Write a ping sweeper in bash AND python**

Command line: python3 -m http.server 80

**Pyftpdlib**

**Rules in Python:**

Specific elements in lists are not mutable, lists themselves are

On variable scope: calling a global variable in a function requires the keyword “global” otherwise the function creates a local instance of that variable

Namespace pollution python

Prepping for a python interview

Know how to write code on a whiteboard or paper

Know basic python control flow

Be able to discuss how to use python

Write programs that do web scraping

Write programs that perform system tasks

Print out numbers in a certain range

If divisible by 3, print fizz

If divisible by 5, print buzz

If divisible by both 5 and 3, print fizz buzz

Fibonacci sequence: print out a number, each number that you print out is the previous two numbers added together

Sets are lists with no repeating elements

Know different data types and when to use them

When to use a tuple instead of a list?

Dictionaries are hash tables, what does that mean?

Master list comprehension

What are generators and how to use them (yield keyword)

Why is there python 2 and python 3?

What are the major differences between python 2 and python 3?

Master OOP and know how to write class and object templates from memory

Have python related questions ready to ask your interviewer