

Common Patterns in Python

Test argument is file and read

This program takes an argument, tests that it is a file, and then reads it. It's basically `cat`.

```
$ cat -n read_file.py
 1  #!/usr/bin/env python3
 2  """Read a file argument"""
 3
 4  import os
 5  import sys
 6
 7  args = sys.argv[1:]
 8
 9  if len(args) != 1:
10      print('Usage: {} ARG'.format(os.path.basename(sys.argv[0])))
11      sys.exit(1)
12
13  filename = args[0]
14
15  if not os.path.isfile(filename):
16      print("{} is not a file".format(filename), file=sys.stderr)
17      sys.exit(1)
18
19  for line in open(filename):
20      print(line, end='')

```