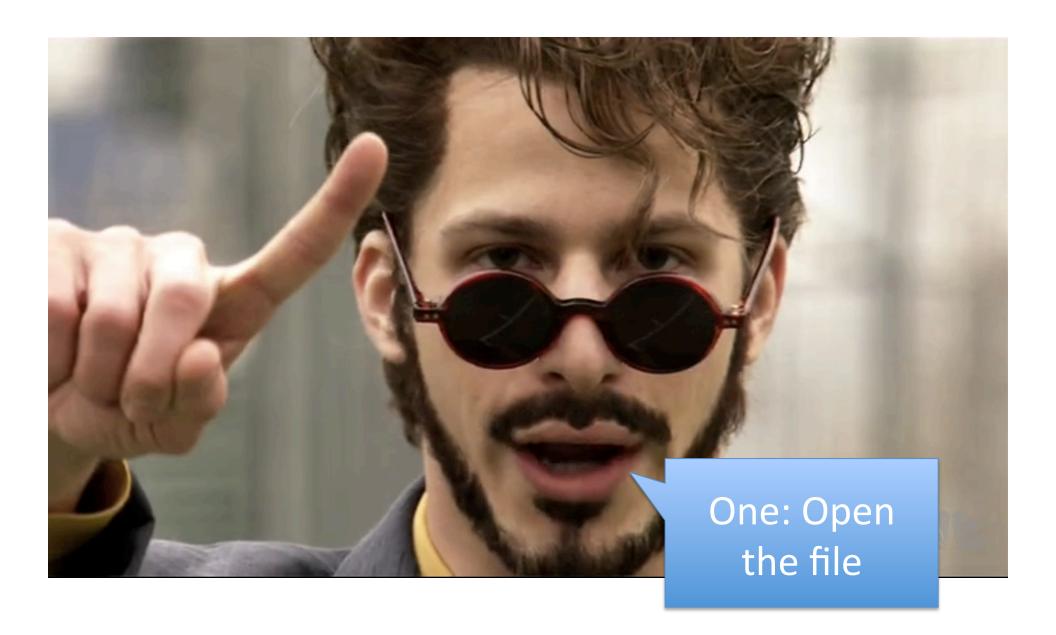
Reading from Files









Step 1: Open the file

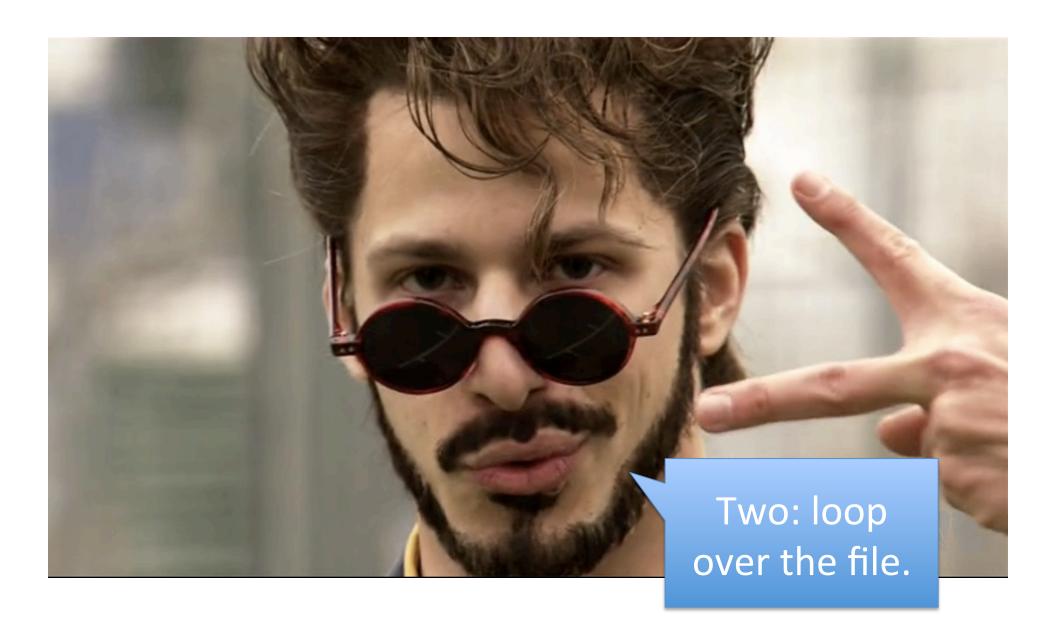
- Uses the open() function.
- Always done the same way no matter how the file is organized.

```
file = open("filename.txt", "r")
```

open() returns a "file object," which is a data type like int, float, or string.

Replace this string with the real name of your file (don't forget the quotes!)

The "r" means open the file for reading.



Step 2: Loop over the file

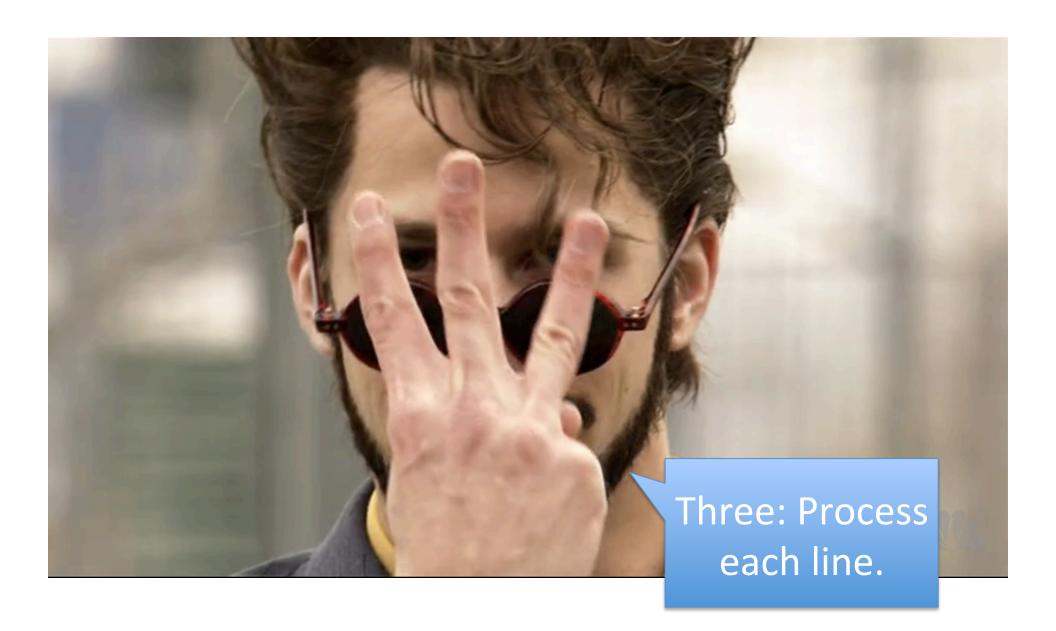
file = open("filename.txt", "r")
for line in file:

line can be any string variable you want.
This variable will store each line of the file as it is read.



Step 2: Loop over the file

You only have access to one line of the file at a time.



Step 3: Process each line

 Do whatever you need to do with the string variable (usually called line).

```
file = open("filename.txt", "r")
for line in file:
    print(line)
```

Step 3: Process each line

 Usually a good idea to "strip" the newline character from the line before processing:

```
file = open("filename.txt", "r")
for line in file:
   line = line.rstrip()
   print(line)
```