



Lab 11 – File I/O

Part 1 – Write a program that reads the file *abespeech.txt* and:

Prints out the line number, starting at 1

Strips the newline

Prints each line backwards

Should look something like this:

```
1      ,noitan wen a tnenitnoc siht no htrof thguorb srehtaf ruo oga
sraey neves dna erocs ruoF
2      .lauge detaerc era nem lla taht noitisoporp eht ot detacided dna
,ytrebiL ni deviecnoc
3      deviecnoc os noitan yna ro noitan taht rehtehw gnitset ,raw
livic taerg a ni degagne era ew woN"
```

```
*** Buncha Lines ***
```

```
15     ,elpoep eht rof ,elpoep eht yb ,elpoep eht fo tnemrevog taht
dna”€âmodeerf fo htrib wen a evah llaht
16     traeh eht morf hsirep ton llaht
```

Part 2: Write a program that reads the file *smedleybutler.txt* and:

Copy all the lines that contain a **word > 9 characters** to a file named *bigwords.txt*

If a line has several words > 9 characters, you should *only copy the line once*.

The lines written may be in any order (need not be in the order you found them in the smedley file)

List the file (type for Windows, cat for *nix) and check it out OR code this as the last line in your program (need to *import os*):

```
os.system( 'type bigwords.txt' ) or 'cat' for *nix
```

File bigwords.txt should resemble:

make Mexico and especially Tampico safe for American oil interests in 1914. I was to operate his racket in three districts. I operated on three continents. 1927 I helped see to it that Standard Oil went on its way unmolested. Looking International Banking House of Brown Brothers in 1902-1912. I brought light and the bankers. In short, I was a racketeer; a gangster for capitalism. I helped

IF YOU'RE BORED AND WANT MORE TO DO...

Same as above but **include the long word with the output**

File bigwords.txt should resemble:

Word: capitalism. Line: and the bankers. In short, I was a racketeer; a gangster for capitalism. I helped

Word: especially Line: make Mexico and especially Tampico safe for American oil interests in 1914. I

Word: 1902-1912. Line: International Banking House of Brown Brothers in 1902-1912. I brought light

Word: unmolested. Line: 1927 I helped see to it that Standard Oil went on its way unmolested. Looking

Word: continents.

Line: was to operate his racket in three districts. I operated on three continents.