

Problem Set 5: Misspellings

Problems

- Implement [Speller](#)

```
speller/ x (+)

~/workspace/ $ cd pset5
~/workspace/pset5/ $ cd speller
~/workspace/pset5/speller/ $
```

```
speller/ x (+)

~/workspace/ $ cd pset5
~/workspace/pset5/ $ cd speller
~/workspace/pset5/speller/ $ make
clang -ggdb3 -O0 -Qunused-arguments -std=c11 -Wall -Werror -c -o speller.o speller.c
clang -ggdb3 -O0 -Qunused-arguments -std=c11 -Wall -Werror -c -o dictionary.o dictionary.c
clang -ggdb3 -O0 -Qunused-arguments -std=c11 -Wall -Werror -o speller speller.o dictionary.o
~/workspace/pset5/speller/ $
```

./speller texts/austinpowers.txt

```
speller/ x (+)

WORDS MISPELLED:      644
WORDS IN DICTIONARY: 143091
WORDS IN TEXT:        19190
TIME IN load:         0.07
TIME IN check:        0.02
TIME IN size:         0.00
TIME IN unload:       0.02
TIME IN TOTAL:        0.11

~/workspace/pset5/speller/ $
```

./speller texts/austinpowers.txt > student.txt
~cs50/pset5/speller texts/austinpowers.txt > staff.txt

diff -y student.txt staff.txt

```
speller/ x (+)

WORDS MISPELLED:      644
WORDS IN DICTIONARY: 143091
WORDS IN TEXT:        19190
TIME IN load:         0.07
TIME IN check:        0.01
TIME IN size:         0.00
TIME IN unload:       0.02
TIME IN TOTAL:        0.11

~/workspace/pset5/speller/ $
```

```
WORDS MISPELLED:      644
WORDS IN DICTIONARY: 143091
WORDS IN TEXT:        19190
| TIME IN load:         0.02
| TIME IN check:        0.01
| TIME IN size:         0.00
| TIME IN unload:       0.02
| TIME IN TOTAL:        0.04
```

diff -y student.txt keys/austinpowers.txt

speller/ x +

WORDS MISPELLED:	644	WORDS MISPELLED:	644
WORDS IN DICTIONARY:	143091	WORDS IN DICTIONARY:	143091
WORDS IN TEXT:	19190	WORDS IN TEXT:	19190
TIME IN load:	0.07	<	
TIME IN check:	0.01	<	
TIME IN size:	0.00	<	
TIME IN unload:	0.02	<	
TIME IN TOTAL:	0.11	<	

~/workspace/pset5/speller/ \$