

# Teach Python to your 10 Year Old

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Write a program `letter_freq.py` which displays a bar chart of frequency (count) of alphabets in a text file. Sample run:

```
$ cat fox.txt
The quick brown fox jumps over the lazy dog.
$ python letter_freq.py fox.txt
```

```
a: #####
b: #####
c: #####
d: #####
e: #####
f: #####
g: #####
h: #####
i: #####
j: #####
k: #####
l: #####
m: #####
n: #####
o: #####
p: #####
q: #####
r: #####
s: #####
t: #####
u: #####
v: #####
w: #####
x: #####
y: #####
z: #####|
```

Notice that most letters in the text have the same frequency? Well, that because our input sentence has every letter of the english alphabet in it!

Now let's try running our program on the first chapter of *Great Expectations* by Charles Dickens. Notice how the letter **e** has the highest count?!

```
$ python letter_freq.py ge-ch1.txt
```

```
a: #####
b:
c: #####
d: #####
e: #####
f: #####
g: ###
h: #####
i:
j:
k: #####
l: #####
m: ###
n: #####
o: ###
p: #####
q:
r: #####
s: #####
t: ##
u: #####
v: #####
w: ##
z:
```