

Python Assignment #1

Problem #1: Write a program to print out the top 10 most frequent words in a famous novel, Hamlet, by William Shakespeare. I will upload the novel, Hamlet, in a plain text format, named “Hamlet.txt”.

As an example, the format of the output should look like the following, starting from the most frequent word:

Sample output:

```
61 i
42 and
40 romeo
34 to
34 the
32 thou
32 juliet
30 that
29 my
24 thee
```

Note: To complete this assignment, please finish reading the first 10 chapters of the book entitled “Python for Everybody” in the file named “pythonlearn.pdf”.

Extra Credit Problem: Finish the “Running Up Stairs” program.

Link to “Running Up Stairs”:

<https://csacademy.com/ieeextreme-practice/task/96c8b1313edd72abf600facb0a14dbab/>