Practicing Regular Expressions
Math 241, Week 8

```
#Load tidyverse
library(tidyverse)
library(mdsr)
```

Problem 1 (Easy):

Use the `Macbeth_raw` data from the `mdsr` package to answer the following questions:

    a. Find all of the adjectives in Macbeth that end in more or less

```
data(Macbeth_raw)
```

    b. Find all of the lines containing the stage direction Exit or Exeunt.

Problem 2 (Medium):

    a. Use regular expressions to determine the number of speaking lines in the Complete Works of William Shakespeare. Here, we care only about how many times a character speaks—not what they say or for how long they speak.

```
shakespeare_url <- "http://www.gutenberg.org/files/100/100-0.txt"
shakespeare <- RCurl::getURL(shakespeare_url) %>%
```

    b. Make a bar chart displaying the top 100 characters with the greatest number of lines. Hint you may want to use either the `stringr::str_extract` or `strsplit` function here.

```
# Here are two different ways to get the list of speakers:
```