Assignment 1 – Create a Mad Libs Story

Goals
- Create your own Mad Libs story
- Create variables
- Store user input
- Output information

What is Mad Libs?
- The idea of the Mad Libs game is to write down different words that fit parts of speech, and then incorporate them into a prewritten story.
- For an example, please go to http://www.eduplace.com/tales/

Requirements
- Create a new Python file. It must begin with comments in the following format (replace the name and email with your actual information and write text for the description):
  ```
  # Name, USC email
  # ITP 115, Spring 2020
  # Assignment 1
  # Description:
  # Describe what this program does such as:
  # This program creates a Mad Libs story.
  # It gets input from the user and prints output.
  ```
- Your program must first read in at least the following input
  - 5 strings
  - 3 numbers as **int**
  - 1 number as **float**
- The strings need to be different parts of speech such as a noun, verb, adjective, adverb, or preposition
  - You can also ask for a special type of the part of speech, such as a place ("Disneyland"), a proper name ("Khurram"), or a color
- At least two of the values entered must be in used in some mathematical calculation (e.g. adding, multiplying, etc.) and the result should be used in the story
- Your program must then print out the story with the user's words injected into the story
- You need to signify to the user what his/her words are in the story using "" (e.g. "chicken" or "42")
- Since there will quotation marks around the words, follow proper formatting and ensure there are no extra spaces (e.g. "42", not " 42 ")

Sample Output

```
Enter an animal (plural): sloths

Enter an adjective: funny

Enter another adjective: hungry

Enter a verb: fly

Enter a verb ending in 'ing': playing chess

Enter a number: 3

Enter a second number: 10

Enter a third number: 4

Enter a number with a decimal: 3.2


Today I adopted "3" pet "sloths". I learned that each animal needs
"3.2" hours of "playing chess" every day, and that they travel in
groups of "4". They are so "funny" that I decided to adopt "10" more.
Now I have "13" "sloths" and I am so "hungry" that I want to "fly".
```

Deliverables and Submission Instructions

- Create a folder on your computer called **ITP115_A1_*LastName_FirstName***
  (replace *LastName* with your last/family name and FirstName with your first name).
- Inside the folder, put your python source code.
- Compress the folder (make a zip file). This cannot be done within PyCharm. Find the
  folder on your computer and compress it.
  a. Windows*:*
     1. Using File Explorer, select your lab file
     2. Right click
     3. Send to ->
     4. Compressed (zipped) folder
  b. Mac OSX:
     1. Using Finder, select your lab file
     2. Right click
     3. Compress "*FileName*"
- Upload the zip file to your Blackboard section:
  1. On Blackboard, click on the Assignments item in the course menu on the left.
  2. Click on the specific item for this assignment (starts with A and a number).
  3. Click on the Browse My Computer button and select your zip file.
  4. Click the Submit button.

Grading

Item	Points
Reading in each individual word	10
Incorporating the words into the story	10
Comments, style, and proper submission	5
Total	**25**