NT Lab 8: Madlibs (50 points)

Objectives: Practice with variables, functions, lists and strings, loops and input validation, random number generation and usage.

Instructions: Start with the provided file **`madlibs.py`**, write a program to automatically generate random stories based on the story pattern given below.

main() defines several lists of 10-20 words for each different type of word-slot in the story below (persons, places, plural nouns, action verbs, foods, adjectives, etc.). Then **main()** calls a function **print_story()** to display the story, passing the random words as parameters. The function displays the story with those words filled into the blanks. It does not return anything. After the program prints one version of the story, **main()** asks if the user wants to see another version of the story. The program performs input validation, and if the user enters an invalid response, the program displays "Please answer 'y' or 'yes' or 'n' or 'no'." and asks again if the user wants to see another version of the story. If the user enters "y" or "Y" or "yes" or "Yes" or "YES", the program prints a ***new*** version of the story, using ***new*** randomly selected words. If the user enters "n" or "N" or "no" or "No" or "NO", the program ends. Here is the story pattern:

Last year, we went for a vacation with _____ (person name) on a trip to _____ (place). The weather there is very _____ (adjective)! Western _____(same place) has many _____ (plural noun), and they make _____ (plural noun) there.

Many people there also go to the _____ (different place) to _____(action verb). The people who live there like to eat _____ (food). They also like to _____ (action verb) in the desert and swim in the _____ (noun).

It was a really _____ (adjective) vacation!

Submitting

Test and run the programs in the terminal on your computer before submitting.

Upload **`madlibs.py`** and **`readme.txt`** to **NT Lab 8** in Canvas.

Ask a TA, Tutor, or Professor for help if you need it.