

IDSN 599: Machine Intelligence

Lab 1

Due: Sunday, 8/29, 11:59pm

Goal

In this lab you will create a Mad Lib story to achieve:

- Familiarity with variables
- Understanding of Python input and output

If you've never played Mad Libs before, look to [EduPlace's Tales](#) for some examples.

Setup

- Create a Python file called **lp01.py**.
- Your **lp01.py** file must begin with comments in the following format (replace the name and email with your actual information):

```
'''  
Name  
IDSN 599, Fall 2021  
Your USC email  
Lab practical 1  
'''
```

Requirements

Your program must perform the following:

- Request and store the users' name.
- Request and store the users' favorite 4-legged animal.
- Request and store the users' favorite number.
- Clean up the users' input by stripping leading and trailing whitespace.
- Clean up the users' input by properly capitalizing the users' input.
- Quadruple the users' favorite number, then add 2 more.
- Your program must then display the story with the user's modified input spliced into the story.

Sample output

Below is your target output for a full run-through of the program. User input is in **red**.

```
Welcome to MadLibs 1.0
What is your name? bob jarvis
What's your favorite 4 legged animal (in plural form)? cows
Enter your favorite number? 7
```

```
Here's your MadLib:
Bob Jarvis led 7 "cows".
They all left 30 footprints each step of the way!
```

Deliverables

1. A compressed folder containing **lp01.py**, named **Lab01**. This can be done by:
 - a. WINDOWS:
 - i. Select all your files
 - ii. Right click
 - iii. Send to ->
 - iv. Compressed (zipped) folder
 - v. Rename this zipped folder to Lab1
 - vi. Submit this zipped folder through Blackboard
 - b. OSX:
 - i. Select all your files
 - ii. Right click
 - iii. Compress items
 - iv. Rename this Archive.zip to Lab1
 - v. Submit this zipped folder through Blackboard