

Spring Semester 2018
Iowa State University

ENGL 516 - Formal Methods of Linguistic Analysis

Assignment 2
Submission Deadline: 3 Feb 2018

Instructions: This assignment consists of 4 questions. The first three questions carry 2% of your final grade and the last one carries 4%. The questions require you to write Python code or type some commands on Python console. For questions that ask you to write a python code, save files as questionNum.py. For other questions, save all answers as one pdf. Upload all these files separately i.e., do not zip them. If the program file does not run and throws errors, you cannot get a grade unless you defend it in the office hours. I am providing a few test cases for each question, as a means to check if your code works.

1. Write the python program version of Q4 in Assignment 1. I will provide you a starter snippet, which asks for two numeric inputs from user. Your task is to edit what I gave you, and make it work.
2. Write a program that accomplishes Q5 in Assignment 1. No starter code is provided, you just need to take a string from user as input, append "es" to that string, and print it as output. You have to make sure these are actual strings, and does not contain any numbers or symbols. You can use isalpha() function for strings in the same way as in a2starter code to find this. Some test cases are: "car" should become "cares". but "ca1" should print a message "please enter a proper string"
3. Write a program that takes a number, and prints out whether it is even number or odd number.
4. Find answers to the following using Python console and note the output:
 - (a) What does this expression print as output on Python console? **6 * 1 - 2**. What change should you make to make it print -6?
 - (b) On python console, what will you type to: a) find out whether "PYTHON" is upper cased b) Lowercase the string, and make it "python"
 - (c) Print the square and cube values of 6.
 - (d) Number of characters in the string: "Python"