

Spring Semester 2018
Iowa State University

ENGL 516 - Formal Methods of Linguistic Analysis

Assignment 3
Submission Deadline: 17 Feb 2018

Instructions: This assignment consists of three questions. First 2 questions give you 2.5% each, and 3rd question gives you 5% of your final grade. All the questions involve writing python code. Save your code as three .py files (one for each question, in yourname_q1.py, yourname_q2.py etc format), and submit them as individual files on Canvas. If the program does not run and throws errors, you cannot get a grade unless you defend it in the office hours. Last question has a starter code, and you have to use it and expand it.

1. Write a program that takes a string as input, and loops through the string to print it in reverse. I don't want you to use any built in reversing functions in Python. I want you to write a loop.
2. Write a program that takes a number, and prints all numbers from 1 until that number, line by line. i.e., if I enter 5 as input, the program has to print: 1 2 3 4
3. This program takes two strings as input. One is a long string. The second one is a shorter one. It then prints the number of times the shorter string appears in the longer string. For example: let us say the longer string is: "baaabaa blaack sheep" and the short string is "aa", it should print 4 as output. Starter code is provided. Another example test case: if "Mississippi" and "ss" are inputs, it should return me 2 as output.