

CS 1120: Media Computation Spring 2017
Assignment 7: Strings, lists, and the Python standard library

Due: Friday, April 28, 2017, by 11:59 p.m.

This assignment is worth **40 points**, 10 points per problem, which accounts for **4.375%** of your final grade

Problem 1

Write a function **percentageGenders(string)** according to description in textbook problem 11.18 (p. 335). For simplicity, you may assume that the input string is all uppercase and contains only characters M and F.

Problem 2

Write a function **uppercaseWord(sentence, index)** according to description in textbook problem 11.6 (p. 334). The index is the index of the WORD in the sentence, not the character.

Problem 3

Write a function **findZip(string, delimiter)** according to description in textbook problem 11.9 (p. 334), except your function also takes a delimiter as an argument. So, you could use your function to find zip codes in any of these strings:

```
findZip("1 Main St * Apt 1 * Cedar Falls * IA* 50613 * USA ", "*")
findZip("1 Main St : Apt 1 : Cedar Falls : IA: 50613 : USA ", ":")
findZip("1 Main St abc Apt 1 abc Cedar Falls abc IA abc 50613 USA ", "abc ")
```

(You do not need to surround your delimiter with spaces - it's done here for readability only)

You should assume that a zip code is a string of **five digits**.

Problem 4

Write a function **reverseList(list)** that reverses items in a list. **You cannot use Python's reverse() function.**

Submissions

Your file assignment7.py submitted to eLearning.