A1

Due Sep 7 by 4pm **Points** 100 **Submitting** a file upload **File Types** ipynb and pdf
Available Aug 30 at 12am - Sep 7 at 11:59pm 9 days

This assignment was locked Sep 7 at 11:59pm.

Your chief goal for this assignment is to figure out how to use Jupyter Notebooks to write Python code fragments.

The assignment is due next week at 4PM before the lecture is released. You have ample time to finish this: please don't put it off until the night before. As the course progresses, you may find you need the whole week to solve some of the assignments.

We will give you a Python Notebook that holds a template: fill in blanks with your solutions. The assignment notebooks will have some cells holding "Unit Tests" to check your work: please use them to validate your answers.

Homework1.ipynb (https://canvas.harvard.edu/courses/95534/files/12942856/download?download_frd=1)

The simplest way to start out is to follow the directions in Modules/Resources/Python Resources and download and install the Anaconda distribution from Continuum. This includes current versions of Python, IPython, and Jupyter Notebooks. You will find downloads for the three major Operating Systems. Remember that you want to install and use version 3.8 or later of Python, not Python 2.7.

https://www.anaconda.com/download/ (https://www.anaconda.com/download/)

Your submission should be two files: your edited version of your Notebook and a pdf of your notebook. To create a pdf, first run all the cells so we can see your work. In your browser select Print then save as and select Adobe Acrobat. Submit your ipynb notebook and pdf. Make sure we can see all cells with your results in your pdf.

Be sure to include your name in all files you submit in this class.

Take a minute to review the Rubric, a preliminary proposal on how we will grade the assignment. We reserve the right to mark off for errors we didn't anticipate, but you will find this list helpful to avoid predictable problems.

Assignment 1 rubric

Criteria	Ratings		Pts
Included your name at the head of the submission	**5 pts** **Full Marks**	**0 pts** **No Marks**	5 pts
Problem 1: Correct string output.	**10 pts** **Full Marks**	**0 pts** **No Marks**	10 pts
Problem 1: Simpler solution than adding "+" and "-" together 45 itmes	**5 pts** **Full Marks**	**0 pts** **No Marks**	5 pts
Problem 2: Answer the 4 questions	**20 pts** **Full Marks** Clear code	**0 pts** **No Marks**	20 pts
Problem 3: Devise a sequence of statements to produce a single string with the full text	**20 pts** **Full Marks**	**0 pts** **No Marks**	20 pts
Problem 4: Exchange Words Find the separator, and write clear statements to exchange front and back halves	**15 pts** **Full Marks**	**0 pts** **No Marks**	15 pts
Problem 5: Find your system Write a sequence of statements that pulls the system name out of the string uname.	**10 pts** **Full Marks** Does it work on your system?	**0 pts** **No Marks**	10 pts

Criteria	Ratings		Pts
Problem 5: General Is it clear what is going on? Would it work on any other system?	**10 pts** **Full Marks**	**0 pts** **No Marks**	10 pts
Problem 6: Double Letters Does the description include iteration, testing, and reporting?	**5 pts** **Full Marks**	**0 pts** **No Marks**	5 pts
			Total Points: 100