Homework 1

CS 2000: Python Programming Language

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This homework assignment is worth 5 points. It is due (01/26/2018). The purpose of this assignment is to ease you into using Python programming basics, and give you a chance to apply some of the subjects we have learned so far. It consists of several parts.

Part 1: 1 point

In class we discussed how to get input from the user. Write a code which prompts the user for two strings (one prompt for each string) and prints True if the first string is a substring of the second and False otherwise.

Part 2: 1 point

A palindrome is a word that is the same read forwards or backwards. For example 'racecar', and 'wow' are palindromes. Write a code, which prompts the user for a string and prints True if it is a palindrome and False otherwise.

Part 3: 1 point

Write a code which prompts the user for two numbers (one prompt for each number). Add the numeric values of the numbers and print the results (i.e. I do not want 5 + 3 = 53). Your code does not need to handle bad input.

Part 4: 1 point

Write a code that prompts the user for a number. Print the standard binary representation of the absolute value of the number. Do not print any additional formatting characters (i.e if the user inputs '5', print '101' not '0b101'). Your code does not need to handle bad input.

Part 5: 1 point

Without using a conditional (**if** statements) modify Part 1 so that your code prints 't' for True and 'f' for False.

What to turn in

(Remember READABILITY COUNTS!)

On e-Learning, submit your Python file whose name <hw#1_LastName.py>. Please format your Python code in the following manner:

Name: <your name here>
#Date: <#/#/#>
Homework: <#>

PART 1
Your code for part 1

PART 2
Your code for part 2

PART 3
Your code for part 3

PART 4
Your code for part 4

PART 5
Your code for part 5