Python for Math and Stat Fall 2022 Exam 1 Version A

- 1. (20 pts) For the following 4 problems, write down what each code block would display if executed in a Jupyter cell.
 - (a) 77' + 2 * 78'
 - (b) alist = ['aardvark', 'gnu', 'zebra']
 x = alist[1]
 x[1:]
 - (c) [x 5 for x in range(2, 10, 2) if x > 5]
 - (d) x = 0for n in range(20): if n % 10 == 9: x += n

2.	(10 pts) Write a function tens_digit (num) that returns the tens digit of a number as an int. Assume that num is a positive int or float. Use only arithmetic operations, not string operations.							
	Example:							
	tens_digit(4567.8) returns 6 tens_digit(4) returns 0							

Examples: count_ee('meekfleecebees') returns 3							
odne_cc (becep)	/ Teturns 2						

4.	(10 pts) Write a function phone_str (num) that takes a 10-digit phone number in int format and converts it into the corresponding string 'XXX-XXX-XXXX'. (<i>Hint:</i> You may wish to convert the number to string format.)						
	Example:						
	phone_str(3034923456) returns '303-492-3456'						
	phone_561 (5051325150) 16tans 505 132 5160						

ADDITIONAL BLANK SPACE

If you write a solution here, please clearly indicate the problem number.

Version

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