CS 202 Python Quiz

1) Which of these operation is valid? Circle all that work, or zero.

 a=1+2 a=1+2.1 a=1+”Two” a=[1,2,3]+[4,5,6]

1) How many times does this loop print?

 c = 1

 while c < 5:

 c = c + 1

 if c == 3:

 c = 1

 print(c)

1) For which values of ‘x’ will I see both “winner” and “wonderful”?

 if x < 3:

 print(“winner”)

 if x == 2:

 print(“loser”)

 else:

 print(“wonderful”)

1) What does this print?

 s = “abcdefghi”

 print(s[1:4])

1) (True/False) Python lists can contain multiple different types of things. I can make a list that has both integers and strings.

1) Write one line of code. When you’re done it should create a file named “bella.txt” that is empty. Hint: this is easy don't overthink it.

1) (Lines/Characters/Bytes/Spaces/Something Else) What does this code count?

 count = 0

 f = open(“bella.txt”, “r”)

 for thing in f:
 count += 1

 print(count)

1) On the back of this paper, write a program that computes the sum of 1/x for x = 1,2,3,4,5,… 100. In other words it prints a single number which is the sum of 1/1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 ... + 1/98 + 1/99 + 1/100.

(Programs) Go to https://euclid.nmu.edu/~rappleto/Classes/CS202/Quiz and work on the \*.py files.