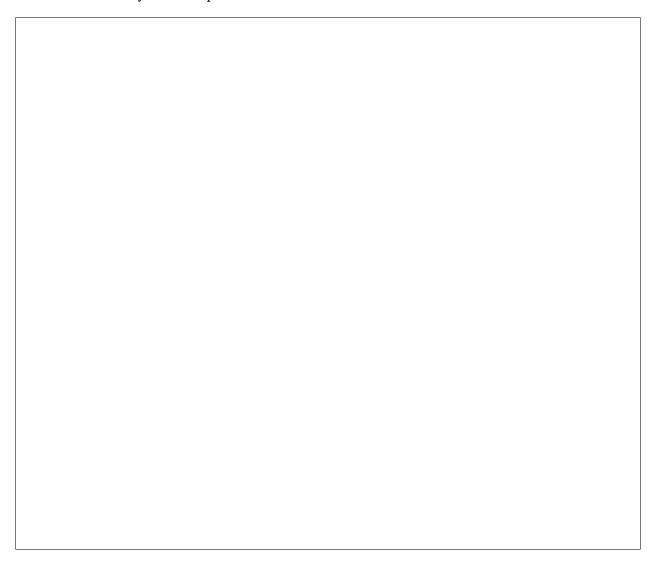
Problem Set 3	Name:
SOCI19	
Fall 2023	logon
Instructor: Professor H	logan
	ving questions focus on material from Chapter 8 of the textbook, as well ure on strings as sequences (Week 5).
1 Definitions	
Question 1. (5 points) I and methods. Be as specified	In a few sentences, describe one important difference between functions fic as possible.
2 Indexing and S	llicing
	The second line of Python code below isolates the second half of the string the space below, list at least 5 different lines of code that would do the
>>> cheer = "GO BEARS"	п
>>> cheer[4:8]	
'EARS'	

3 Understanding String Indexing, Slicing, and Methods

Questions 3-6 refer to the following code:

```
1 def yell(sentence):
    if sentence.find(' ') == -1:
       print(sentence + "!")
3
   else:
4
       next_space = sentence.find(', ')
5
6
       my_slice = sentence[:next_space]
        print(my_slice + "!")
7
        yell(sentence[next_space:].strip())
8
10 user_sentence = input("Enter a sentence: ")
11 yell(user_sentence)
```

Question 3. (15 points) Draw a memory diagram for the program above if the user inputs the sentence "How are you?" as input.



ined in line (0 points) What w 5?				
	0 points) Explain line 2 checking fo		: What condition	is the Boolean ex	xpression in the
	0 points) Why do				
pen if we di	dn't use it, and ju	st passed sentend	ce[next_space:]	as the argument?	