Introduction to Pytho	on (Spring 2024)		
Claudia Carroll, TRI	ADS		
Class 2 (Jan 29th, 20	24)		
	Class 2 H	Iomework Exercises	
1. Write the code to	:		
i. create a string	g and assign it to a vari	able	
ii. Print a slice o	of the first four letters of	of the string	
2. Write a program	that asks what your	favorite color is, and th	en outputs "Your favorite
	ur program from the		-
2 5914 4 11 1			0. 1
3. Fill the table show executed.	wing the values of the	variables in this progr	am after each statement is
Command	Value of X	Value of Y	Value of swap
X = 1.0	value of A	value of 1	value of swap
Y = 3.0			
swap = X			
X = Y			
Y = swap			
4. If you assign a =	123, what happens if	you try to get the secon	nd digit of a via a[1]?
•	llowing program prin		

```
atom_name = 'carbon'
print('atom_name[1:3] is:', atom_name[1:3])
```

## 6. Given the following string:

species\_name = "Acacia buxifolia"

What would these expressions return?

- i. species\_name[2:8]
- ii. species\_name[11:] (without a value after the colon)
- iii. species\_name[:4] (without a value before the colon)
- iv. species\_name[11:-3]
- v. species\_name[-5:-3]

What happens when you choose a stop value which is out of range? (i.e., try species\_name[0:20] or species\_name[:103])

7. Given a list assigned to the variable buildings, as below, write the code to print how many letters there are in the second element of the list

Buildings = ["Jolley", "Eads", "Seigle", "Cupples"]