Topic: Strings
CS 150 Introduction To CS
Python - Worksheet 06
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In Exercises 1 – 12, determine the output of the print statement, given the assignment statement. Show the output in the box provided. (1 pt each)

```
course = "CS 150 Python"
```

OUTPUT for 1-6

```
1. print(course[4])
2. print(course[3:9])
3. print(course.find("150"))
4. print("colonel".find("k"))
5. print("Knickknack".count('k'))
6. print(len(course))
```

```
5
150 Py
3
-1
3
13
```

OUTPUT for 7-12

```
7. print("Luther".rfind("k"))
8. print("brrr".upper())
9. print("the artist".title())
10. print(len("Gravity   ".rstrip()))
11. print("let it go".title().find('G'))
12. print("Amazon".lower().count('a'))
```

```
-1
BRRR
The Artist
7
7
2
```

13. Determine the output displayed by the code segments (4 pts)

```
a = 4
b = 6
c = "Municipality"
d = "pal"
print(len(c))
print(c.upper())
print(c[a:b] + c[b + 4:])
print(c.find(d))
```

```
12
MUNICIPALITY
city
6
```

14. Write a print statement that will print the last character stored in a string

   variable str1. (1 pt)

```
str1 = "Ahmad M. Osman"
print(str1[-1])
```

Debugging: Find the error(s) in each of the following segments of code. Rewrite
the code correctly in the text box provided.
   15. Find the error(s)

```
phoneNumber = 234-5678

print("My phone number is " +
phoneNumber)
```

```
phoneNumber = "234-5678"

print("My phone number is " +
phoneNumber)
```

   16. Find the error(s)

```
for = "happily ever after."

print("They lived " + for)
```

```
str1 = "happily ever after."

print("They lived " + str1)
```

   17. Find the error(s)

```
print("Python".Upper())
```

```
print("Python".upper())
```

   18. Find the error(s) – Output should be   George 'Babe' Ruth

```
print("George "Babe" Ruth")
```

```
print("George 'Babe' Ruth")
```