

# Quiz 05

**Due** Oct 2, 2019 at 10pm**Points** 10**Questions** 5**Time Limit** None

## Instructions

Answer the following questions in your own words. Do NOT simply cut and paste the information from the slides. You will receive a score of 0 if you copy the prose from the slides.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	104 minutes	10 out of 10

Score for this quiz: **10** out of 10

Submitted Oct 2, 2019 at 4:01pm

This attempt took 104 minutes.

### Question 1

**2 / 2 pts**

In what order are `foo()` and `bar()` called in `object.foo().bar()`?

**Correct!**

- ☒ `foo()` first, then `bar()`
- ☐ `bar()` first, then `foo()`
- ☐ Neither: that's invalid syntax

### Question 2

**2 / 2 pts**

Write three separate code blocks to print each character in the string `'hello'`:

1. using a for loop, range, and a slice ([])
2. using a for loop without range or slice ([])
3. using a while loop and a slice ([])

(Note: a for loop is probably a better solution for this problem but here you're restricted to range, while, and slices)

Hint: `len('Hello') == 5`

Here's a solution using a for loop:

```
for ch in 'hello':  
    print ch
```

Your Answer:

1.

```
s='hello'  
for i in range(len(s)):  
    print(s[i])
```

2.

```
s='hello'  
for i in s:  
    print(i)
```

3.

```
s='hello'  
i=0;  
while i<len(s):  
    print(s[i])  
    i=i+1
```

```
s = "hello"

# for loop, range, and index
for i in range(len(s)):
    print(s[i])

# for loop, without range, without index
for c in s:
    print(c)

# while loop and index
i = 0
while i < len(s):
    print s[i]
    i += 1
```

### Question 3

2 / 2 pts

Describe two different Python string methods to determine if a string 'abc' occurs anywhere inside the string 'xxxabcxxx'.

Your Answer:

1.#returns the first occurrence

```
if(('xxxabcxxx'.find('abc')) != -1):
    print("String is present")
```

else:

```
    print("String is not present")
```

2.#returns the highest occurrence

```
if(('xxxabcxxx'.rfind('abc')) != -1):
    print("String is present")
```

else:

```
    print("String is not present")
```

```
'xxxabcxxx'.find('abc')
```

```
'abc' in 'xxxabcxxx'
```

### Question 4

2 / 2 pts

What is the effect of using negative numbers to extract a slice of a string?

E.g.

'hello'[-3:] or 'hello'[:-4]

Your Answer:

when u use negative numbers

'hello'[-3:] it means 'hello'[len('hello')-1:]

it usually used when u know the details of the end or u wanna slice of the last 3 numbers so instead of counting u just put s[-3:], where s='hello'

Negative indices work from the end (or beginning) of the string.  
 $s[-i] == s[\text{len}(s) - i]$

### Question 5

2 / 2 pts

Why is it important to follow coding style guidelines?

**Your Answer:**

coding style guidelines makes the code easily readable and provides consistency.

for example if you are making a project and there are 5 other group members in that same project and each has different coding style then its going to be hard to read and understand for the other person. if the code has same coding style then there wont be any issue understanding the code, It might save a lot of time

Coding standard guidelines help to make code more readable and maintainable. And you'll lose points on your assignments if you don't follow coding standard guidelines.

Quiz Score: **10** out of 10