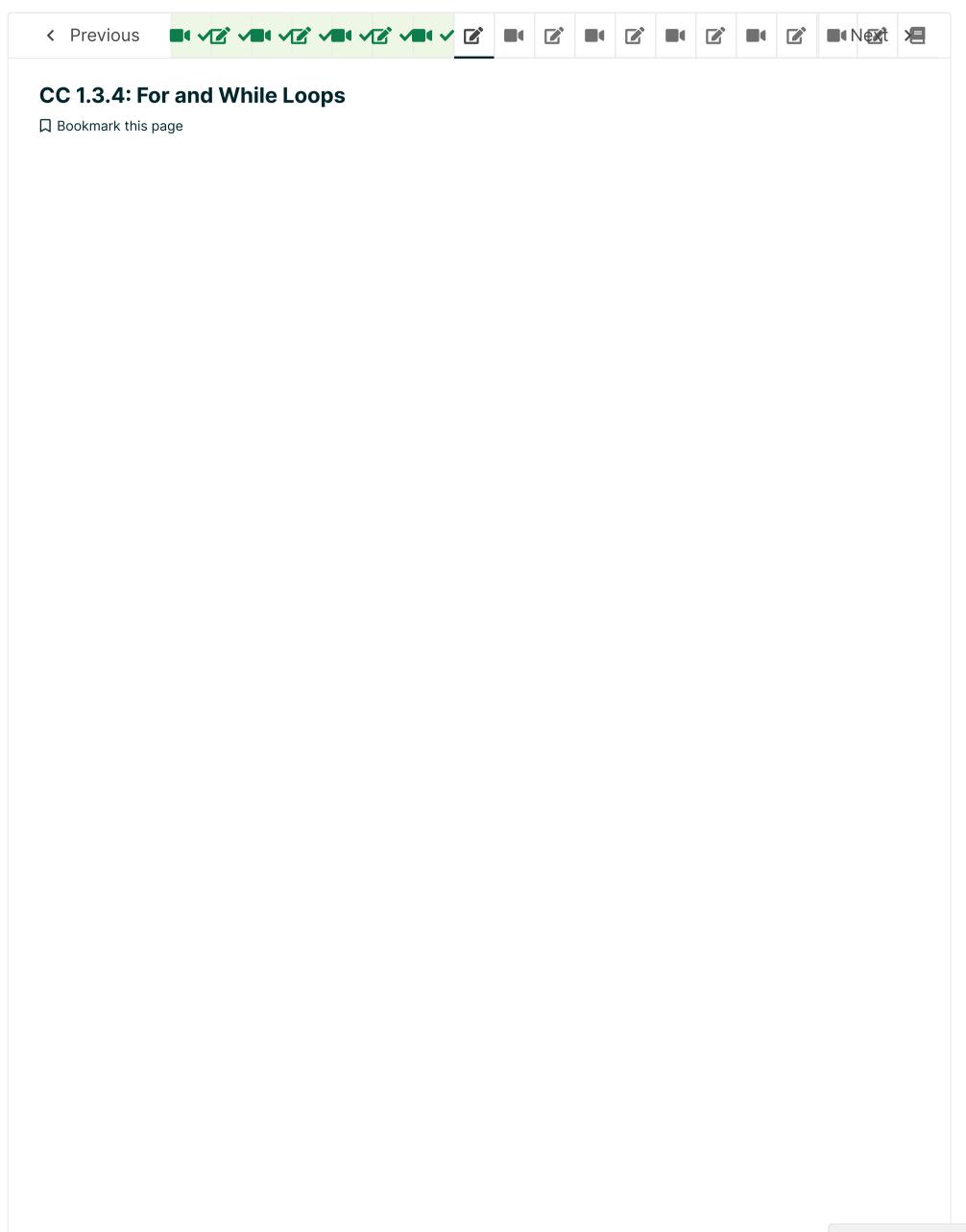
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### ☆ Course / Week 1: Basics of Python 3 / Part 3: Manipulating Objects



Comprehension Check due Jun 20, 2021 00:26 +06

### For and While Loops: Question 1

```
1/1 point (graded)
```

Consider bears = {"Grizzly": "angry", "Brown": "friendly", "Polar": "friendly"}. Can you replace #blank# so the code will print a greeting only to friendly bears? Your code should work even if more bears are added to the dictionary.

```
for bear in bears:
    if #blank#:
    print("Hello, "+bear+" bear!")
else:
print("odd")
```

Enter your code here.

```
bears[bear] == "friendly"
```

**Answer:** bears[bear] == 'friendly'

#### **Explanation**

if(bears[bear] == "friendly"): will work well here.

Submit

You have used 1 of 5 attempts

Answers are displayed within the problem

### For and While Loops: Question 2

1/1 point (graded)

Consider the following code:

```
is_prime = True
for i in range(2,n):
   if n%i == 0:
     #blank#
print(is_prime)
```

Can you fill in the #blank# line so the code will only print True if n is prime?

Enter your code here.

```
is_prime = False
```

✓ Corr	ect (1/1 point)		
For and	d While Loops: Qu	estion 3	
1/1 point (g Consider	raded) the following code:		

n=100
number\_of\_times = 0
while n >= 1:
 n //= 2
 number\_of\_times += 1
print(number\_of\_times)

What will this print?

Enter your numerical answer here.

7 ✓ Answer: 7

#### **Explanation**

This code will repeatedly divide a a number, beginning with 100, by 2 (rounding down to remain an integer). This process will stop once this process produces 1 or less. 7 is the number of steps required for this to occur.

Submit You have used 1 of 5 attempts

• Answers are displayed within the problem

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