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## Chapter 8 Quiz

### Question 1

1/1 point (graded)

How are "collection" variables different from normal variables?

- ☐ Collection variables pull multiple network documents together
- ☐ Collection variables merge streams of output into a single stream
- ☐ Collection variables can only store a single value
- ☒ Collection variables can store multiple values in a single variable ✓

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### Question 2

1/1 point (graded)

What are the Python keywords used to construct a loop to iterate through a list?

- ☐ try / except
- ☐ foreach / in
- ☐ def / return
- ☒ for / in ✓

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### Question 3

1/1 point (graded)

For the following list, how would you print out 'Sally'?

```
friends = [ 'Joseph', 'Glenn', 'Sally' ]
```

☐ print(friends['Sally'])

☐ print friends[3]

☐ print(friends[2:1])

☒ print(friends[2]) ✓

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### Question 4

1/1 point (graded)

What would the following Python code print out?

```
fruit = 'Banana'  
fruit[0] = 'b'  
print(fruit)
```

☐ Banana

☐ banana

☐ [0]

☐ b

☐ B

☒ Nothing would print - the program fails with a traceback ✓

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## Question 5

1/1 point (graded)

Which of the following Python statements would print out the length of a list stored in the variable **data**?

☐ `print(strlen(data))`

☐ `print(data.length())`

☐ `print(data.Len)`

☐ `print(data.length)`

☐ `print(length(data))`

☒ `print(len(data))` ✓

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## Question 6

1/1 point (graded)

What type of data is produced when you call the **range()** function?

```
x = range(5)
```

- ☐ A string
- ☐ A boolean (true/false) value
- ☐ A list of characters
- ☐ A list of words
- ☒ A list of integers ✓

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## Question 7

1/1 point (graded)

What does the following Python code print out?

```
a = [1, 2, 3]
b = [4, 5, 6]
c = a + b
print(len(c))
```

☐ [1, 2, 3, 4, 5, 6]

☐ 21

☐ 15

☐ [1, 2, 3]

☐ [4, 5, 6]

☒ 6 ✓

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## Question 8

1/1 point (graded)

Which of the following slicing operations will produce the list [12, 3]?

```
t = [9, 41, 12, 3, 74, 15]
```

☐ t[1:3]

☐ t[2:2]

☐ t[:]

☐ t[12:3]

☒ t[2:4] ✓

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## Question 9

1/1 point (graded)

What list method adds a new item to the end of an existing list?

☐ pop()

☐ push()

☐ forward()

☐ index()

☐ add()

☒ append() ✓

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## Question 10

1/1 point (graded)

What does the following Python code print out?

```
friends = [ 'Joseph', 'Glenn', 'Sally' ]  
friends.sort()  
print(friends[0])
```

☐ friends

☐ Sally

☐ Joseph

☒ Glenn ✓

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