

Chapter 8 Quiz

TOTAL POINTS 10

1.Question 1

How are "collection" variables different from normal variables?

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

1 point

2.Question 2

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

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

1 point

3.Question 3

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

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

- ☐ print friends[3]
- ☒ print(friends[2])
- ☐ print(friends['Sally'])
- ☐ print(friends[2:1])

1 point

4.Question 4

What would the following Python code print out?

```
fruit = 'Banana'
```

```
fruit[0] = 'b'
```

```
print(fruit)
```

- ☐ banana
- ☐ Banana
- ☐ b
- ☐ B
- ☐ [0]
- ☒ Nothing would print - the program fails with a traceback error

1 point

5.Question 5

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

- ☐ print(data.Len)
- ☐ print(data.length())
- ☐ print(length(data))
- ☐ print(strlen(data))
- ☐ print(data.length)
- ☒ print(len(data))

1 point

6.Question 6

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

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

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

1 point

7.Question 7

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]
- ☐ 15
- ☒ 6
- ☐ [4, 5, 6]
- ☐ 21
- ☐ [1, 2, 3]

1 point

8.Question 8

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

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

- ☐ t[12:3]
- ☐ t[2:2]
- ☒ t[2:4]
- ☐ t[:]
- ☐ t[1:3]

1 point

9.Question 9

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

- ☒ append()
- ☐ index()
- ☐ add()

- ☐ push()
- ☐ pop()
- ☐ forward()

1 point

10.Question 10

What will the following Python code print out?

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

- ☐ friends
- ☒ Glenn
- ☐ Joseph
- ☐ Sally

1 point