**Week 4 : Quiz**

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| Question 1 |
|  | How are "collection" variables different from normal variables? |
|  | Collection variables can only store a single value |
|  | Collection variables can store multiple values in a single variable |
|  | Collection variables merge streams of output into a single stream |
|  | Collection variables pull multiple network documents together |
|  |  |
|  | **Answer: Collection variables can store multiple values in a single variable** |
|  |  |
|  | Question 2 |
|  | What are the Python keywords used to construct a loop to iterate through a list? |
|  | for / in |
|  | foreach / in |
|  | try / except |
|  | def / return |
|  |  |
|  | **Answer: for/in** |
|  |  |
|  | Question 3 |
|  | For the following list, how would you print out 'Sally'? |
|  | friends = [ 'Joseph', 'Glenn', 'Sally' ] |
|  | print friends[2] |
|  | print friends[3] |
|  | print friends[2:1] |
|  | print friends['Sally'] |
|  |  |
|  | **Answer: print friends[2]** |
|  |  |
|  | Question 4 |
|  | What would the following Python code print out? |
|  | fruit = 'Banana' |
|  | fruit[0] = 'b' |
|  | print fruit |
|  | Nothing would print - the program fails with a traceback |
|  | b |
|  | [0] |
|  | banana |
|  | Banana |
|  | B |
|  |  |
|  | **Answer: nothing would print - the program fails with a traceback** |
|  |  |
|  | Question 5 |
|  | Which of the following Python statements would print out the length of a list stored in the variable data? |
|  | print data.length() |
|  | print len(data) |
|  | print data.length |
|  | print strlen(data) |
|  | print length(data) |
|  | print data.Len |
|  |  |
|  | **Answer: print len(data)** |
|  |  |
|  | Question 6 |
|  | What type of data is produced when you call the range() function? |
|  | x = range(5) |
|  | A boolean (true/false) value |
|  | A list of words |
|  | A list of integers |
|  | A string |
|  | A list of characters |
|  |  |
|  | **Answer: A list of integers** |
|  |  |
|  | 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] |
|  | [1, 2, 3] |
|  | 21 |
|  | [4, 5, 6] |
|  | 15 |
|  | 6 |
|  |  |
|  | **Answer: 6** |
|  |  |
|  | 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[1:3] |
|  | t[2:2] |
|  | t[:] |
|  | t[2:4] |
|  |  |
|  | **Answer: t[2:4]** |
|  |  |
|  | Question 9 |
|  | What list method adds a new item to the end of an existing list? |
|  | push() |
|  | index() |
|  | pop() |
|  | forward() |
|  | add() |
|  | append() |
|  |  |
|  | **Answer: append()** |
|  |  |
|  | Question 10 |
|  | What will the following Python code print out? |
|  | friends = [ 'Joseph', 'Glenn', 'Sally' ] |
|  | friends.sort() |
|  | print friends[0] |
|  | Joseph |
|  | Sally |
|  | Glenn |
|  | friends |
|  |  |
|  | **Answer: Glenn** |