**Week 2 Quiz**

**The due date for submitting this assignment has passed.**

**Due on 2018-09-06, 23:59 IST.**

**Assignment submitted on 2018-09-06, 11:14 IST**

All questions carry equal weightage. All Python code is assumed to be executed using Python3.

* If the answer to a question is a string, make sure you enclose the value in quotes (either single or double quotes).
* If the answer to a question is a list, make sure you enclose the value in square brackets and separate the values using commas.

You may submit as many times as you like within the deadline. Your final submission will be graded.

One of the following 10 statements generates an error. Which one? (Your answer should be a number between 1 and 10.)

x = [1,"abcd",2,"efgh",[3,4]] # Statement 1

y = x[0:50] # Statement 2

z = y # Statement 3

w = x # Statement 4

x[1] = x[1] + 'd' # Statement 5

x[1][1] = 'y' # Statement 6

y[2] = 4 # Statement 7

z[0] = 0 # Statement 8

w[4][0] = 1000 # Statement 9

a = (x[4][1] == 4) # Statement 10

**Yes, the answer is correct.**

**6  
Score: 2.5**

**Feedback:**

*Statement 6 is trying to update a position in a string. x[1] is "abcd" and x[1][1] is "b"*

**Accepted Answers:**

*(Type: Numeric) 6*

***2.5 points***

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Consider the following lines of Python code.

x = [13,4,17,1000]

w = x[1:]

u = x[1:]

y = x

u[0] = 50

y[1] = 40

Which of the following is correct?

 x[1] == 40, y[1] == 40, w[0] == 50, u[0] == 50

 x[1] == 4, y[1] == 40, w[0] == 4, u[0] == 50

 x[1] == 50, y[1] == 50, w[0] == 50, u[0] == 50

 x[1] == 40, y[1] == 40, w[0] == 4, u[0] == 50

**Yes, the answer is correct.   
Score: 2.5**

**Feedback:**

*(d) x[1] == 40, y[1] == 40, w[0] == 4, u[0] == 50*

*x and y refer to the same list, while w and u are two independent slices. The update to u[0] does not affect any of the other names. The update to y[1] is also reflected in x[1].*

**Accepted Answers:**

*x[1] == 40, y[1] == 40, w[0] == 4, u[0] == 50*

What is the value of endmsg after executing the following lines?

startmsg = "hello"

endmsg = ""

for i in range(0,len(startmsg)):

endmsg = startmsg[i] + endmsg



**No, the answer is incorrect.   
Score: 0**

**Feedback:**

*"olleh"*

*The loop reverses the string by inserting each letter in startmsg at the beginning of endmsg.*

**Accepted Answers:**

*(Type: Regex Match) ^\s\*\'olleh\'\s\*$*

*(Type: Regex Match) ^\s\*\"olleh\"\s\*$*

***2.5 points***

What is the value of mylist after the following lines are executed?

def mystery(l):

l = l + l

return()

mylist = [31,24,75]

mystery(mylist)



**Yes, the answer is correct.   
Score: 2.5**

**Accepted Answers:**

*(Type: Regex Match) ^\s\*\[\s\*31,\s\*24,\s\*75\s\*]\s\*$*





