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# Unit 5 - Week 2 Quiz

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## Week 2 Quiz

**Due date for this assignment:** 2018-09-06, 23:59 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.

1) 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

```

**2.5 points**

2) Consider the following lines of Python code.

**2.5 points**

```

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`

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- ☐ 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

3) 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
```

**2.5 points**

4) 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)
```

**2.5 points**

You may submit any number of times before the due date. The final submission will be considered for grading.

**End**