



Unit 5 - Week 2 Quiz

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Certification exam

Course outline

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the portal

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of Python

Week 2 Quiz

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Quiz

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Week 3: Lists,
inductive
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Week 3
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Week 5:
Exception
handling,
input/output, file

Week 2 Quiz

The due date for submitting this assignment has passed. **Due on 2019-02-13, 23:59 IST**

Assignment submitted on 2019-02-13, 22:13 IST

All questions carry equal weightage. All Python code is assumed to be executed using Python3. You may submit as many times as you like within the deadline. Your final submission will be graded.

Note:

- If the question asks about a value of type string, remember to enclose your answer in single or double quotes.
- If the question asks about a value of type list, remember to enclose your answer in square brackets and use commas to separate list items.

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][0:3] + 'd'         # Statement 5
y[2] = 4                        # Statement 6
z[0] = 0                        # Statement 7
x[1][1:2] = 'yzw'              # Statement 8
w[4][0] = 1000                 # Statement 9
a = (x[4][1] == 4)             # Statement 10

```

8

Yes, the answer is correct.

Score: 2.5

Accepted Answers:

(Type: String) 8

2.5 points

2) Consider the following lines of Python code.

2.5 points

```

x = ['a',42,'b',377]
w = x[1:]
y = x
u = w
w = w[0:]
w[0] = 53
x[1] = 47

```

handling, string processing

Week 5
Programming
Assignment

Week 6:
Backtracking,
scope, data
structures;
stacks, queues
and heaps

Week 6 Quiz

Week 7: Classes,
objects and user
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datatypes

Week 7 Quiz

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Which of the following is correct?

- ☒ x[1] == 47, y[1] == 47, w[0] == 53, u[0] == 42
- ☐ x[1] == 47, y[1] == 47, w[0] == 53, u[0] == 53
- ☐ x[1] == 47, y[1] == 42, w[0] == 53, u[0] == 53
- ☐ x[1] == 47, y[1] == 42, w[0] == 53, u[0] == 53

Yes, the answer is correct.

Score: 2.5

Feedback:

x and y are aliased. w and u are not. So the update to x[1] affects y[1] while the update to w[0] leaves u[0] unchanged.

Accepted Answers:

x[1] == 47, y[1] == 47, w[0] == 53, u[0] == 42

3) What is the value of second after executing the following lines?

```
first = "wombat"
second = ""
for i in range(len(first),0,-1):
    second = first[i-1] + second
```

'wombat'

Yes, the answer is correct.

Score: 2.5

Accepted Answers:

(Type: Regex Match) \s\wombat\s**

(Type: Regex Match) \s\wombat\s**

2.5 points

4) What is the value of list1 after the following lines are executed?

```
def mystery(l):
    l = l[2:5]
    return()

list1 = [7,82,44,23,11]
mystery(list1)
```

[7,82,44,23,11]

Yes, the answer is correct.

Score: 2.5

Accepted Answers:

(Type: Regex Match) \s\[7\s*\s*82\s*\s*44\s*\s*23\s*\s*11\s*\s*\]*

2.5 points

End

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