Quiz 01

Due Sep 11, 2019 at 10pm **Points** 10 **Questions** 6 **Time Limit** None

Instructions

Answer the following questions in your own words. Do NOT simply cut and paste the information from the slides. You will receive a score of 0 if you copy the prose from the slides.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	49 minutes	8 out of 10

ⓘ Correct answers are hidden.

Score for this quiz: **8** out of 10
Submitted Sep 5, 2019 at 2:15pm
This attempt took 49 minutes.

Question 1 — 2 / 2 pts

When is it appropriate to write a new function? (choose all that apply)

- [x] To encapsulate a feature
- [x] To split long functions into smaller functions
- [x] To make code more readable
- [x] To make code more reusable
- [ ] To increase my total LOC (Lines Of Code) to make my productivity look higher

Question 2

2 / 2 pts

I want to read a number from the user and then add 1. Explain why Python complains about the following code. Fix the code so it runs properly.

```
>>> resp = input('Pick a number: ')
Pick a number: 3
>>> resp + 1
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
TypeError: Can't convert 'int' object to str implicitly
>>>
```

Your Answer:

```
resp = input('Pick a number: ')
resp=int(resp) + 1
print (resp)
```

input() returns a string and '+' is not defined for integers and strings so Python attempts to convert the integer 1 to a string but fails. Instead, convert 'resp' to an integer and then add, e.g.

```
resp = input('Pick a number: ')
int(resp) + 1
```

Question 3

0 / 2 pts

Describe short circuiting with both conjunctive (AND) and disjunctive (OR) expressions.

Your Answer:

AND: In this it checks both the conditions, if both the condition is true then only the result will be true.

OR:In this it check both the conditions, but if either of the condition is true the result will be true.

Short circuiting means that expressions are evaluated from left to right, only as far as needed to determine the value. Conjunctions (and) are evaluated from left to right as long as the expression is True. Evaluation stops as soon as any component is False.

Disjunctions (or) stop evaluation as soon as any component is True.

Your answer doesn't describe how short circuiting works in the conjunctive and disjunctive expressions

Question 4

2 / 2 pts

Rewrite the following 4 lines of code as a single line using a **ternary operator** to replace the **if/else** statement. *value* and *results* are variables:

```
if value % 2 == 0:
     result = 'even'
else:
     result = 'odd'
```

Your Answer:

```
result = "even" if value % 2 == 0 else "odd"
```

result = 'even' if value % 2 == 0 else 'odd'

Question 5

2 / 2 pts

Python uses whitespace to define blocks of code in functions and conditional statements. How many spaces should used?

- ○ 1 - using 1 space minimizes the amount of typing
- ○ 2 - one is too few, but two is just right
- ○ 3 - three has always been my lucky number
- ◉ 4 - four spaces makes code easier to read

Question 6

0 / 0 pts

“I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination. I further pledge that I have not copied any material from a book, article, the Internet or any other source except where I have expressly cited the source.”

- ◉ True

False

Quiz Score: **8** out of 10