

Quiz 01

Due Jan 29 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	501 minutes	10 out of 10

❗ Correct answers are hidden.

Score for this quiz: **10** out of 10

Submitted Jan 28 at 11:33pm

This attempt took 501 minutes.

Question 1

2 / 2 pts

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

☒ To encapsulate a feature

☒ To split long functions into smaller functions

☒ To make code more readable

☒ 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:')
Pick a number: 3
>>int(resp)+1
4
```

- Here the error was 'resp' is a string and to increment it by +1 is not possible since 'str+int' is not possible so we perform type conversion by doing int(resp) then add +1 to make the code work.

Input:

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

Output:

```
Pick a number: 3
4
```

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: ')\nint(resp) + 1
```

Question 3

2 / 2 pts

Python does **not** include a case/switch statement

☒ True

That's right! There's no case/switch statement in Python. Later on, we'll see how to emulate a case/switch statement.

☐ False

Question 4

2 / 2 pts

Every file and every function should begin with a

docstring

Question 5

2 / 2 pts

What should you do **first** when you're not sure what Python will do with some expression?

- ☐ Use it anyway. Users will report a bug if it's not right.
- ☐ Give up
- ☐ Ask a friend
- ☒ Type it into Python and try it

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: **10** out of 10