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Exercise 1

Finger Exercises due Aug 5, 2020 20:30 -03

Exercise 1

5/5 points (graded)

ESTIMATED TIME TO COMPLETE: 6 minutes

1. What method is called when an object is created?

☐ `self`

☐ `obj.self`

☐ `init`

☒ `__init__`

☐ `new`

**Explanation:**

The `__init__` method is called whenever an object is created. For more on object creation, see [this chapter](#) of How To Think Like A Computer Scientist.

2. If you have an object instance, `obj`, and you want to call its `doSomething()`

method (assuming it has one), how would you do this? (write the line of code you would use)





Answer: obj.doSomething()

3. True or False? An object's attributes must be defined in the object's `__init__` method.

☐ True☒ False

Explanation:

An object's attributes are variables that can be used throughout the entire object, regardless of the method in which it is first defined. However, it is customary to define attributes within the `__init__` method for many reasons. Primarily this is to ensure all attributes are properly initialized. Because the `__init__` method is called when an object is created, if attributes are created in the `__init__` method they will be initialized properly (and thus not throw any errors) when they are referenced later on.

4. The following code starts the definition of a class called `Address`. The class needs to have two *attributes*: `number` and `streetName`. Please add in the two lines of code that will create these attributes from the appropriate passed in parameters.

```
class Address(object):  
    def __init__(self, number, streetName):  
        # Line 1: Creating a number attribute  
        # Line 2: Creating a streetName attribute
```

- What is the correct expression for `# Line 1`?



Answer: self.number = number

- What is the correct expression for `# Line 2`?



Answer: self.streetName = streetName



Enviar

i Answers are displayed within the problem

Exercise 1

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