Finger Exercises Lecture 17

The questions below are due on Wednesday November 09, 2022; 03:00:00 PM.

1) Question 1 of 1

Write the class according to the specifications below:

```
class Circle():
    def __init__(self, radius):
        """ Initializes self with radius """
        # your code here

    def get_radius(self):
        """ Returns the radius of self """
        # your code here

    def set_radius(self, radius):
        """ radius is a number
        Changes the radius of self to radius """
        # your code here

    def get_area(self):
        """ Returns the area of self using pi = 3.14 """
        # your code here

    def equal(self, c):
        """ c is a Circle object
        Returns True if self and c have the same radius value """
        # your code here

    def bigger(self, c):
        """ c is a Circle object
        Returns self or c, the Circle object with the bigger radius """
        # your code here
```

```
1 # your class here
```

Here is the solution we wrote:

```
 class Circle():
     def __init__(self, radius):
         self.r = radius
     def get_radius(self):

    return self.r
def set_radius(self, radius):
    self.r = radius
def get_area(self):
    return 3.14*self.r*self.r
def equal(self, c):
    return (c.r == self.r)
def bigger(self, c):
    if c.r > self.r:
        return c
    elif c.r < self.r:
        return self
```

6.100L Introduction to CS and Programming Using Python

Fall 2022