Finger Exercises Lecture 18

The questions below are due on Monday November 14, 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    return self.radius = radius

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

    def __add__(self, c):
        """ c is a Circle object
        Returns a new Circle object whose radius is
        the sum of self and c's radius """  new_radius  = self.radius + c.radius
        # your code here                    return Circle(new_radius)

    def __str__(self):
        """ A Circle's string representation is the radius """
        # your code here     return str(self.radius)
```

```
1  # your class here
```

You have infinitely many submissions remaining.

Here is the solution we wrote:

```
class Circle():
    def __init__(self, radius):
        self.r = radius
    def get_radius(self):
        return self.r
    def __add__(self, c):
        return Circle(self.r + c.r)
    def __str__(self):
        return str(self.r)
```

6.100L Introduction to CS and Programming Using Python

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