New York Institute of Technology
CSCI 185 Computer Programming II
Fall 2020
Module 1 Lab 1: Java Class and Object 101

Goal: In this lab, we will learn the basics regarding how to write a class in Java by practice.

1. Implement the Circle Class.

Implement the following class:

```java
public class Circle {
        /** The radius of this circle */
        double radius = 1.0;

        /** Construct a circle object */
        Circle() {
        }

        /** Construct a circle object */
        Circle(double newRadius) {
          radius = newRadius;
        }

        /** Return the area of this circle */
        double getArea() {
          return radius * radius * 3.14159;
        }
    }
```

Write a main method that will use the Circle constructors to create a circle object with the default radius (use the no-arg constructor for this) and then create a second circle object with radius 5.5 (use the constructor that lets you specify a radius). Use the Circle objects' getArea method to compute the area of each circle. Your main method should print these areas.