**PRACTICAL – 3(2)**

**Aim: Write a program that defines TriangleArea class with three constructor. The first form accept no arguments. The second accept one double value for radius. The third form accept any two a­­rguments.**

**­­­**

**SOURCE CODE:**

public class Practical\_3\_2 {

    public static *void* main(*String*[] *args*) {

*TriangleArea* x1 = new TriangleArea();

*TriangleArea* x2 = new TriangleArea(7.0);

*TriangleArea* x3 = new TriangleArea(2.3f, 6.0f);

        System.out.println("Area of square: " + x1.area);

        System.out.println("Area of circle: " + x2.area);

        System.out.println("Area of triangle: " + x3.area);

        System.out.println("\n20DCE019-Yatharth Chauhan");

    }

}

class TriangleArea {

*double* area;

    TriangleArea() {

        area = 10;

    }

    TriangleArea(*double* *radius*) {

        area = 3.14 \* radius \* radius;

    }

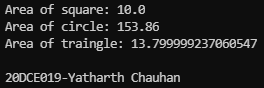
    TriangleArea(*float* *base*, *float* *altitude*) {

        area = base \* altitude;

    }

}

**OUTPUT:**

****

**CONCLUSION:** In this program we created a new class named triangle, and made three different types of constructor and called them by making objects.