**Experiment No. : 8**

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Roll No. : 1

Code =>

interface Area {

    double PI = 3.14159265;

    double compute(double length, double width);

}

class Rectangle implements Area {

    @Override

    public double compute(double length, double width) {

        return length \* width;

    }

}

class Circle implements Area {

    @Override

    public double compute(double radius, double ignored) {

        return PI \* radius \* radius;

    }

}

public class Experiment8 {

    public static void main(String[] args) {

        Area rect = new Rectangle();

        System.out.println("Area of Rectangle: " + rect.compute(9.36, 9.36));

        Area circ = new Circle();

        System.out.println("Area of Circle: " + circ.compute(9, 0));

    }

}

Output =>

Area of Rectangle: 87.60959999999999

Area of Circle: 254.46900465000002