

```

abstract class Shape {
    double dim1, dim2;
    abstract double printArea();
}

class Rectangle extends Shape {
    Rectangle(double a, double b) {
        dim1 = a;
        dim2 = b;
    }

    double printArea() {
        S.out.println("Inside the Rectangle");
        return dim1 * dim2;
    }
}

class Triangle extends Shape {
    Triangle(double a, double b) {
        dim1 = a;
        dim2 = b;
    }

    double printArea() {
        S.out.println("Inside the Triangle");
        return dim1 * dim2 / 2;
    }
}

class Circle extends Shape {
    Circle(double a) {
        dim1 = a;
    }

    double printArea() {

```

```
S.out.println("Inside the Circle");  
return 3.14 * dim / 2 * dim;  
}  
}
```

```
class abs/Main {  
    public static void main(String[] args) {  
        Rectangle r = new Rectangle(1, 2);  
        Triangle t = new Triangle(3, 4);  
        Circle c = new Circle(5);  
        S.out.println("Area of Rectangle is: " + r.printArea());  
        S.out.println("Area of Triangle is: " + t.printArea());  
        S.out.println("Area of Circle is: " + c.printArea());  
    }  
}
```