

LAB-4

```
abstract class shape{
    int x, y;
    abstract void printArea();
}
class Rectangle extends shape
{
    Rectangle(int a, int b){
        x = a;
        y = b;
    }
    void printArea(){
        System.out.println("Area of Rectangle is" + (x * y));
    }
}
class Triangle extends shape
{
    Triangle(int a, int b){
        x = a;
        y = b;
    }
    void printArea(){
        System.out.println("Area of Triangle is"
        + (0.5 * x * y));
    }
}
class Circle extends shape
{
    Circle(int a){
        x = a;
    }
}
```

```

void printArea() {
    System.out.println("Area of circle is" + (3.142 *
                                                                n * n));
}
}
}
public class Main
{
    public static void main(String args[]) {
        rectangle rect = new rectangle(5, 5);
        triangle tri = new triangle(6, 3);
        circle cir = new circle(5);
        rect.printArea();
        tri.printArea();
        cir.printArea();
    }
}

```