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LAB PROGRAM 4

```
abstract Class Shape {
    int a = 3;
    int b = 4;
    abstract public void print_area();

    class rectangle extends Shape
    {
        public int area_rect;
        public void print_area()
        {
            area_rect = a * b;
            System.out.println ("\n The area of the
    rectangle is : " + area_rect );
        }
    }
    class triangle extends Shape
    {
        int area_tri;
        public void print_area()
        {
            area_tri = (int)(0.5 * a * b);
            System.out.println ("\n The area of
    triangle is : " + area_tri);
        }
    }
    class circle extends Shape
    {
        int area_circle;
        public void print_area()
        {
```

```
    area_circle = (int) (3.14 * a * a);
    System.out.println ("\n The area of circle is :"
        +area_circle);
    }
}

class Shape_area {
    public static void main (String[] args) {
    rectangle rec = new rectangle();
    rec. print _area();
    triangle tri = new triangle();
    tri. print _area();
    circle cir = new circle();
    cir . print _area();
    }
}
```