Lab - 4

```java
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("The area of 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("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 (" The area of circle is : "+ area-circle
    }
}

class abc {
public static void main (String [] args) {
rectangle re = new rectangle ();
rec. print - area ();
triangle tri = new triangle ();
tri. print - area ();
& circle cir = new circle ();
cir. print - area ();
    }
}
```