

Week 8 (Lab Programs)~~class~~

```
abstract class Shape {  
    int a=3, b=4;  
    abstract public void print-area();  
}
```

```
class rectangle extends Shape  
{
```

```
    public int area-rect;
```

```
    @Override
```

```
    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;
```

```
    @Override
```

```
    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;
```

```
    @Override
```

```
public void print_area() {  
    area_circle = (int) (3.14 * a * a);  
    System.out.println("The area of circle is : "  
                        + area_circle);  
}
```

```
}
```

```
}
```

```
class abs {
```

```
    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();  
    }
```

```
}
```