

//I didnt want to submit 4 different files, but if separated it works

```
public class Shape{           // In the Shape.java file
```

```
    private int sides;
```

```
    public Shape(int sides){
```

```
        this.sides=sides;
```

```
    }
```

```
    public int getSides(){
```

```
        return sides;
```

```
    }
```

```
    public void setSides(int sides){
```

```
        this.sides=sides;
```

```
    }
```

```
}
```

```
public class Circle extends Shape{.    //In the Circle.java file
```

```
    public Circle(){
```

```
        super(0);
```

```
    }
```

```
}
```

```
public class Rectangle extends Shape{.    //In the Rectangle.java file
```

```
    public Rectangle (){
```

```
        super(4);
```

```
    }
```

```
}
```

```
public class Main
```

```
{
```

```
public static void main(String[] args) {  
    Circle circle = new Circle();  
    System.out.println("Circle sides: "+circle.getSides());  
    Rectangle rectangle = new Rectangle();  
    System.out.println("Rectangle sides: "+rectangle.getSides());  
}  
}
```