

```
//To demonstrate Inheritance and method over Writing  
class Shape{
```

```
    public void area(){  
        System.out.println("This is a Shape");
```

```
    }
```

```
}
```

```
class Circle extends Shape
```

```
{
```

```
    public void area(int r){  
        super.area();  
        System.out.println("Area of circel : "+r*r*3.14);
```

```
    }
```

```
}
```

```
class Rectangle extends Shape
```

```
{
```

```
    public void area(int a,int b){  
        super.area();  
        System.out.println("Area of rectangle : "+a*b);
```

```
    }
```

```
}
```

```
public class MethodOverwritingEx2{
```

```
    public static void main(String[] args) {  
        Shape a = new Shape();  
        Circle b = new Circle();  
        Rectangle c =new Rectangle();  
        a.area();  
        b.area(4);  
        c.area(5,5);
```

```
    }
```

```
}
```