

JAVA EXAMPLES - METHOD OVERRIDING

http://www.tutorialspoint.com/javaexamples/method_override.htm

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Problem Description:

How to use method overriding in Inheritance for subclasses ?

Solution:

This example demonstrates the way of method overriding by subclasses with different number and type of parameters.

```
public class Findareas{
    public static void main (String []args){
        Figure f= new Figure(10 , 10);
        Rectangle r= new Rectangle(9 , 5);
        Figure figref;
        figref=f;
        System.out.println("Area is :"+figref.area());
        figref=r;
        System.out.println("Area is :"+figref.area());
    }
}
class Figure{
    double dim1;
    double dim2;
    Figure(double a , double b) {
        dim1=a;
        dim2=b;
    }
    Double area() {
        System.out.println("Inside area for figure.");
        return(dim1*dim2);
    }
}
class Rectangle extends Figure {
    Rectangle(double a, double b) {
        super(a ,b);
    }
    Double area() {
        System.out.println("Inside area for rectangle.");
        return(dim1*dim2);
    }
}
```

Result:

The above code sample will produce the following result.

```
Inside area for figure.
Area is :100.0
Inside area for rectangle.
Area is :45.0
```