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//program 07: Demonstrate illustrate Method Overloading.
//Author:
//Date:

//-----rect.java-----
import java.io.*;

class rect
{
    double length,breadth;

    void room(double x,double y) //accepts two arguments
    {
        length=x;
        breadth=y;
    }

    void room(double x) //accepts one argument but assigns for both
    {
        length=breadth=x; //assign value of x to both length and
breadth
    }

    double area() //calculates area
    {
        return(length*breadth);
    }
}
//end of class rect

```

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//-----example.java-----  
class example  
{  
    public static void main(String args[]) //main  
    {  
        double a1,a2; //a1, a2 to store area calculated  
  
        rect r1= new rect(); //r1 is object of class rect  
        rect r2= new rect(); //r2 is object of class rect  
  
        r1.room(4.5,5.0); //two arguments passed  
        r2.room(5.0); //only one argument passed  
  
        a1=r1.area(); //calls area() method with two arguments  
        a2=r2.area(); //calls area() method with one argument  
  
        System.out.println("Area= " +a1);  
        System.out.println("Area= " +a2);  
    } //end of main  
} //end of class
```