**abstract class Shape**

**{**

**double l,b;**

**abstract double getArea();**

**}**

**class Rectangle extends Shape**

**{**

**Rectangle(double a,double c)**

**{**

**this.l=a;**

**this.b=c;**

**}**

**double getArea()**

**{**

**return l\*b;**

**}**

**}**

**class triangle extends Shape**

**{**

**triangle(double a,double c)**

**{**

**this.l=a;**

**this.b=c;**

**}**

**double getArea()**

**{**

**return 0.5\*l\*b;**

**}**

**}**

**class circle extends Shape**

**{**

**circle(double a)**

**{**

**this.l=a;**

**}**

**double getArea()**

**{**

**return (3.14)\*l\*l;**

**}**

**}**

**class sample {**

**public static void main(String[] args) {**

**Rectangle r=new Rectangle(10,6);**

**triangle t=new triangle(3,9);**

**circle c= new circle(24);**

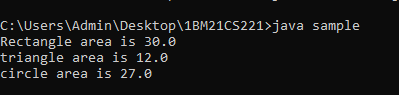
**System.out.println("Rectangle area is "+r.getArea());**

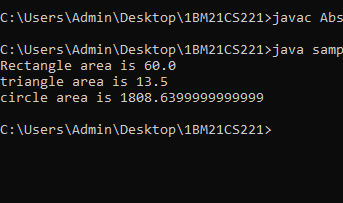
**System.out.println("triangle area is "+t.getArea());**

**System.out.println("circle area is "+c.getArea());**

**}**

**}**

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