package com.mycompany.shapes;

abstract class Shapes

{

abstract double calculateArea();

public void display()

{

System.out.println("Shape");

}

}

package com.mycompany.shapes;

public class Rectangle extends Shapes

{

private double width,height;

public void setData(double w, double h)

{

width=w;

height=h;

}

public void calculateArea()

{

return height\*width;

}

}

package com.mycompany.shapes;

public class Circle extends Shapes

{

private double radius;

public Circle(double r)

{

radius=r;

}

public double calculateArea()

{

return 3.1459f\*radius;

}

}