import java.util.Scanner;

abstract class Base

{

double l,b,area;

void setDimentions()

{

double length,height;

System.out.println(" Enter the length : ");

Scanner s=new Scanner(System.in);

length=s.nextDouble();

System.out.println(" Enter the height : ");

height=s.nextDouble();

this.l=length; this.b=height;

}

abstract void computeArea();

}

class Triangle extends Base

{

void computeArea()

{

area=(l\*b)/2;

System.out.println("Area of Triangle is : "+this.area);

}

}

class Rectangle extends Base

{

void computeArea()

{

area=(l\*b);

System.out.println("Area of Rectangle is : "+this.area);

}

}

public class DynamicBinding

{

public static void main(String[] args)

{

Triangle t=new Triangle();

System.out.println("calculating Area of Triangle");

t.setDimentions();

t.computeArea();

Rectangle r=new Rectangle();

System.out.println("calcularing Area of Rectangle");

r.setDimentions();

r.computeArea();

} }