class Figure

{

double dim1 , dim2;

Figure(double a , double b)

{

dim1 = a;

dim2 = b;

}

double area ()

{

System.out.println("Figure class ");

return 0;

}

}

class Rectangle extends Figure{

Rectangle(double a , double b)

{

super(a,b);

}

double area(){

return dim1 \* dim2;

}

}

class Triangle extends Figure{

Triangle (double a , double b){

super(a,b);

}

double area ()

{

return ((dim1 \* dim2)/2);

}

}

public class Main

{

public static void main(String[] args)

{

Figure f = new Figure(2,3);

Rectangle r = new Rectangle(5,6);

Triangle t = new Triangle(10,7);

Figure superref;

superref = r;

System.out.println("area : " +superref.area());

superref = t;

System.out.println("area : " +superref.area());

superref = f;

System.out.println("area : " +superref.area());

}

}