import java.util.Scanner;

// Interface Resizable

interface Resizable {

void resizeWidth(int width); void

resizeHeight(int height);

}

// Class Rectangle implementing Resizable

class Rectangle implements Resizable {

private int width; private

int height;

// Constructor

public Rectangle(int width, int height) {

this.width = width;

this.height = height;

}

// Method to resize the width

@Override

public void resizeWidth(int newWidth) {

this.width = newWidth;

System.out.println(&quot;New width: &quot; + width);

}

// Method to resize the height

@Override

public void resizeHeight(int newHeight) { this.height

= newHeight; System.out.println(&quot;New height: &quot; +

height);

}

// Method to display the current dimensions of the rectangle

public void displayDimensions() {

System.out.println(&quot;Current dimensions: &quot; + width + &quot; x &quot; +

height);

}

}

// Main class to test the program

public class p7{

public static void main(String[] args) {

// Create a rectangle with width 10 and height 5

Scanner sc=new Scanner(System.in);

Rectangle rectangle = new Rectangle(10,5) ;

rectangle.displayDimensions();

// Resize the rectangle&#39;s width and height

System.out.println(&quot;Enter the new width and height&quot;);

int w=sc.nextInt();

int h=sc.nextInt();

rectangle.resizeWidth(w);

rectangle.resizeHeight(h);

rectangle.displayDimensions();

}

}