**Develop a JAVA program to create an interface Resizable with methods resizeWidth(int width)**

**and resizeHeight(int height) that allow an object to be resized. Create a class Rectangle that**

**implements the Resizable interface and implements the resize methods.**

**Save Filename as: rect\_resize.java**

**Solution:-**

interface Resizable

{

void resizeWidth (int width);

void resizeHeight (int height);

}

class Rectangle implements Resizable

{

private int width;

private int height;

// Constructor

public Rectangle (int width, int height)

{

this.width = width;

this.height = height;

}

public void resizeWidth (int width)

{

this.width = width;

}

public void resizeHeight (int height)

{

this.height = height;

}

// Additional method to get the dimensions

public void getDimensions ()

{

System.out.println ("Width: " + width + ", Height: " + height);

}

}

public class rect\_resize

{

public static void main (String[] args)

{

Rectangle r = new Rectangle (5, 7);

System.out.println ("Original Dimensions:");

r.getDimensions ();

r.resizeWidth (8);

r.resizeHeight (10);

System.out.println ("\nResized Dimensions:");

rectangle.getDimensions ();

}

}

**Compile As: javac rect\_resize.java**

**Run As: java rect\_resize**

**Output:**

**Original Dimensions:**

**Width: 5, Height: 7**

**Resized Dimensions:**

**Width: 8, Height: 10**