**7) 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**

interface Resizable

{

void resizeWidth(int width);

void resizeHeight(int height);

}

class Rectangle implements Resizable

{

int width=10,height=20;

public void resizeWidth(int newWidth)

{

width = newWidth;

}

public void resizeHeight(int newHeight)

{

height = newHeight;

}

}

class Program7

{

public static void main( String args[ ] )

{

Rectangle R = new Rectangle( );

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

System.out.println("Width=" + R.width);

System.out.println("Height=" + R.height);

R.resizeWidth(30);

R.resizeHeight(40);

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

System.out.println("ResizedWidth=" + R.width);

System.out.println("ResizedHeight=" + R.height);

}

}