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:-

```java
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;
}
```

```java
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