

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.

Rectangle.java

```
interface Resizable
{
    void resizeWidth(int width);
    void resizeHeight(int height);
}

class Rectangle implements Resizable
{
    private int width;
    private int height;

    public Rectangle(int width, int height)
    {
        this.width = width;
        this.height = height;
    }

    public void resizeWidth(int newWidth)
    {
        this.width = newWidth;
    }
    public void resizeHeight(int newHeight)
    {
        this.height = newHeight;
    }

    public void display()
    {
        System.out.println("Rectangle width: " + width + ", height: " + height);
    }

    public static void main(String[] args)
    {
        Rectangle rectangle = new Rectangle(5, 10);
        rectangle.display();

        rectangle.resizeWidth(8);
        rectangle.resizeHeight(15);
        rectangle.display();
    }
}
```