

Question 1 Rectangle Visualization\Rectangle.java

```
1  class Rectangle {
2      private int width;
3      private int height;
4
5      // Constructor
6      public Rectangle(int width, int height) {
7          if (width < 0) {
8              System.out.println("Warning: input width is negative!");
9              this.width = 1;
10         } else {
11             this.width = width;
12         }
13
14         if (height < 0) {
15             System.out.println("Warning: input height is negative!");
16             this.height = 1;
17         } else {
18             this.height = height;
19         }
20     }
21
22     // Getter for width
23     public int getWidth() {
24         return width;
25     }
26
27     // Getter for height
28     public int getHeight() {
29         return height;
30     }
31
32     // Method to visualize rectangle
33     public void visualize() {
34         for (int i = 0; i < height; i++) {
35             for (int j = 0; j < width; j++) {
36                 System.out.print("* ");
37             }
38             System.out.println();
39         }
40         System.out.println();
41     }
42 }
43
```