

Question 1 Rectangle Visualization\TestRectangle.java

```
1  import java.util.Scanner;
2
3  public class TestRectangle {
4      public static void main(String[] args) {
5          Scanner scanner = new Scanner(System.in);
6
7          // Prompt the user to enter width
8          System.out.print("Enter width:\n");
9          int width = scanner.nextInt();
10
11         // Prompt the user to enter height
12         System.out.print("Enter height:\n");
13         int height = scanner.nextInt();
14
15         // Instantiate a rectangle with user-provided width and height
16         Rectangle rect = new Rectangle(width, height);
17
18         // Visualize the rectangle
19         rect.visualize();
20
21         scanner.close();
22     }
23 }
24
```