**Exercise 9**

**Submission:**

* Name your file as ex9.doc
* Include the source code and a screenshot of the output for each question in your word doc
* One submission is needed from each group

Following the example of the Circle class, design a class named Rectangle to represent a rectangle. The class contains:

* Two data fields named width and height.
* A constructor that creates a rectangle with the specified width and height. The default values are 1 and 2 for the width and height, respectively.
* A method named getArea() that returns the area of this rectangle.
* A method named getPerimeter() that returns the perimeter.

Write a test program that creates two Rectangle objects—one with width 4 and height 40 and the other with width 3.5 and height 35.7. Display the width, height, area, and perimeter of each rectangle in this order.