

CSCI 1990 EXAM STUDY GUIDE SPRING 2009

Chapter 4: Writing Classes

1. For the Rectangle and RectangleTest (the client) classes, answer the following:
 - a) Write the constructor that initializes length and width to 0.
 - b) Write the method that allows the client to change the width.
 - c) Write the method that allows the client to get the value of width.
 - d) Write the statement in the client that creates a Rectangle object with the initial values from the constructor.
 - e) Write the statement in the client that outputs the width using the “get” method.
 - f) Write the statements in the client to ask the user to input the width and set the value of the width in the Rectangle class to that value.
 - g) Write the method in the Rectangle class to compute and output the area of a Rectangle object.
 - h) Write the statement in the client to compute and output the area of the Rectangle object called r.