

**King Saud University**  
**College of Computer & Information Science**  
**CSC111 – Tutorial4**

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**Exercise 1:**

Write a java class called Student. The Student class will have four data members: name (a string), age (an int), semesterNo (an int), and GPA (a float).

Write a java program to test your Student class. Your program should: Create three Student objects, enter their name, age, semesterNo (assuming a value from 1 to 8), and GPA (assuming value from 0.0 to 4.0) and display the data for each Student. Continuing the Student class, calculate and display the average GPA of the three Students.

Student
+ name : String + age : int + semesterNo: int + GPA: float

**Exercise 2:**

Write a java class called Rectangle. The Rectangle class will have three data members: width (a double), length (a double) and area (a double).

Write a java program to test your Rectangle class. Your program should: Create three Rectangle objects rect1, rect2 and rect3, prompt the user to enter length and width values for the Rectangle objects. Calculate the area for each rectangle and store them in the attribute of the corresponding objects then display the area for each rectangle. Display the total area after adding all three areas of the rectangles.

Rectangle
+ width: double + length: double + area: double