

Academia International College

Advanced Java Programming

Lab Sheet 1

Objective: *The main objective of this lab sheet is to understand the basic concept of java programming and its features.*

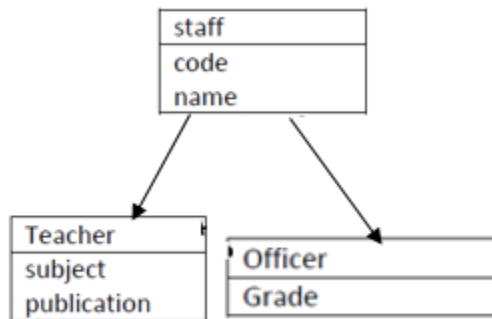
[1] WAP in Java to calculate the area of rectangle and triangle. (Make necessary assumptions if needed.)

[Hint: Use two classes for rectangle and triangle and one main class]

[2] Implement above problem using method overloading and use constructor to initialize variables.

[3] WAP to find the smallest and largest element and sum of all the elements of an array.

[4] Implement the following class diagram. Make necessary assumptions if necessary.



[5] WAP in java to implement try-catch, finally and throw statement.

[6] WAP in java to demonstrate ArithmeticException, ArrayIndexOutOfBoundsException, NullPointerException, NumberFormatException separately. [Make necessary assumptions]