AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

Department of Computer Science (CS)

Object Oriented Programming 1

MidTerm Lab Task-2

1. Develop Following Java classes:

Note: Student must follow the exact name of class, member variables, and functions.

Student	String name String id String department float cgpa 2 Constructor (Empty, valued) showInfo Setter Methods	Member variables declare private Method Example:
10/1	Getter Methods	<pre>setName(String name) String getName()</pre>
(S) D		
	int x int y int z	Member variables declare private
Triangle	2 Constructor (Empty,	/ /
1 4	valued)	
1 7	showInfo	Method
AMITAIOS	testTriangle()	It will check whether the triangle is equilateral (3 equal sides), isosceles (2 equal sides), scalene (no equal sides)
1004		
	String productName int productQty double productPrice	Member variables declare private
Product	2 Constructor (Empty,	
	valued)	
	showInfo	
	double calculate()	Total value of product

2. Create an application which manages an inventory of products. Create a product class which has a price, id, and quantity on hand. Then create an inventory class which keeps track of various products and can sum up the inventory value.

Good Luck!