



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

Department of Computer Science (CS)

Introduction to Programming [LAB Task on Class]

1. Create a class named 'Student' with a string property 'name' and an integer property 'id'. Use public as access modifier for the properties and methods. Assign the value of id as '2222' and that of name as "John" by creating an object of the class Student.
2. Assign and print the roll number, phone number and address of two students having names "Sam" and "John" respectively by creating two objects of the class 'Student'. You must use **private properties** and **public methods** for this class.
3. Write a program to print the area of a rectangle by creating a class named 'Rectangle' using setter and getter method, set and get values of its length and breadth and a function named 'returnArea' which returns the area of the rectangle. Length and breadth of the rectangle are entered through keyboard. You must use **private properties** and **public methods** for this class.
4. Write a program to print the volume of a box by from a class named Box' use setter and getter method to set and get its length, breadth and height. You must use **private properties** and **public methods** for this class.
5. A program that would print the information (name, year of joining, salary, address) of three employees by creating a class named 'Employee'. You must use **private properties** and **public methods** for this class. The output should be as follows:

Name	Year of joining	Address
Robert	1994	64C- WallsStreat
Sam	2000	68D- WallsStreat
John	1999	26B- WallsStreat