

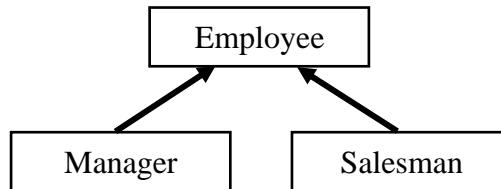
AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

Department of Computer Science (CS)

Introduction to Programming (Final-Term Lab Exam) [Marks: 30] [Time: 1 hour]

1. An organization has Managers and Salesman who manages and sales products of that company. Now, you have to develop a program, so that they can manage the information of their employees. Implement the given scenario.



Class Name	Member variables and Methods	Hints
Employee	employeeID // int employeeName // string salary // double	Declare member variables protected . User setter and getter methods.
	Create Empty and Parameterized Constructor	
	Create a Destructor	
	void displayEmployeeInformation()	

Class Name	Member variables and Methods	Hints
Manager	areaName //string	Every manager is in-charge of a Area.
	Create Parameterized Constructor	
	Create a Destructor	
	void showManagerDetails()	
	void incrementSalary(Salesman, amount)	increment salary of salesman. Use pass by reference.

Class Name	Member variables and Methods	Hints
Salesman	salesArea // string productName // string managerID // int	Salesman is assigned to an area for a specific product. He also has a manager.
	Create Parameterized Constructor	
	Create a Destructor	
	void showSalesmanDetails()	

After developing the classes create the main function and do the followings:

1. Create a Manager with your name.
2. Show Manager Details.
3. Create a Salesmen Rahim.
4. Show Salesman's Details.
5. Increment the salesmen Salary by 2000 Taka.
6. Show Salesman's Details after Salary Incrementation.