



Hands-on No. : 2

Topic : OOPs- Class, Object, Constructor, Encapsulation

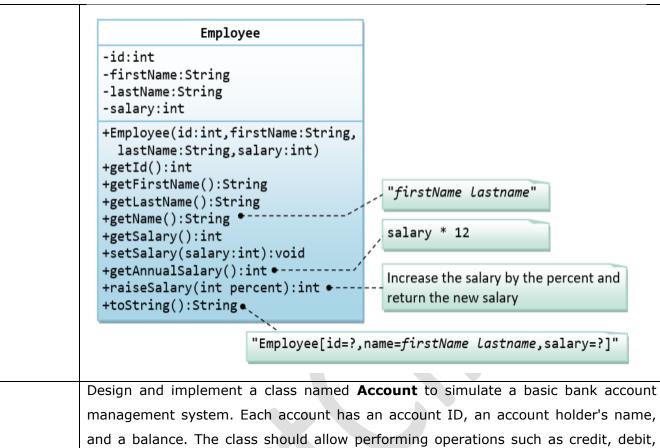
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Solve the following problems

Question No.	Question Detail	
	Design the Rectangle class as given below and test the methods of the class by	
	creating objects of type Rectangle in the driver class or Tester Class.	
	Rectangle	
	-length:float = 1.0f -width:float = 1.0f	
1	<pre>+Rectangle() +Rectangle(length:float,width:float) +getLength():float +setLength(length:float):void +getWidth():float +setWidth(width:float):void</pre>	
	+getArea():double +getPerimeter():double +toString():String •	. "Rectangle[length=?,width=?]"
Design and implement a class named Employee to represent an employee working		
	in an organization. Each employee has a unique ID, a first name, a last name, and a	
	your task is to: 1. Model the Employee class using appropriate data members and methods as per the class diagram. 2. Implement business logic such as calculating the full name, annual salary, and raising the salary by a given percentage. 3. Provide a string representation of the employee object for easy display	
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and transfer between accounts.

Your task is to:

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- 1. Model the Account class using appropriate attributes and methods as per the class diagram.
- 2. Implement methods for adding money, withdrawing money, and transferring money to another account with proper balance validation.
- 3. **Provide a string representation** of the account for easy display.





