

CSC 111 (Java Programming I)

Department of Computer Science, King Saud University

Spring Semester 2013

Employee
-EmployeeName:String -EmployeeId:int -BasicSalary:double -EmployeeTarget:int -EmployeeBonus:double
+Employee() +enterEmployeeDetails(String, int, Double, int, int):void +monthlySalary():double +findBonus():double +monthSaleBonus(int):void

Question:

Create a class Employee in Java having the following private properties:

- Employee Name
- Employee id
- Employee Salary
- Employee target
- Employee Bonus

Following public methods should be implemented:

- Employee() : Constructor
- enterEmployeeDetails (puts the Employee name, id, basic salary, target, sale)
- monthlySalary (returns the sum of employees basic salary plus the bonuses)
- monthSaleBonus (Adds nothing to the bonus if sale is less than the target, else adds 300 for each sale above the target)
- printSalarySummary (prints the name, id, target, basic salary and bonuses on the console).

Write a separate Class to test this Employee Class. The Test class will only have access to the public methods of the Employee class. Create objects of the Employee class from the main() method, and call the public methods for separate Employee objects.

Example run of the main program:

- Create Employee E 1, E2, E3
- Enter details for the three employees above
- Call public methods to calculate salaries and bonuses
- Print the summary for all the employees