OOP LAB 5

Class and Objects

Q1. Write a program that creates a Student class and calculates percentage and GPA of 5 students. Each of the students has following attributes: name, class, rollnum, and marks obtained in 5 subjects.

Q2. Create a class called Employee that includes three pieces of information as instance variables a first name (type String), a last name (type String) and a monthly salary (double). Provide a set and a get method for each instance variable. Write a test application named EmployeeTest that demonstrates class Employee's capabilities. Create two Employee objects and display each object's yearly salary. Then give each Employee a 10% raise and display each Employee's yearly salary again.

Q3. Create a class called Date that includes three pieces of information as instance variables a month (type int), a day (type int) and a year (type int). Provide a set and a get method for each instance variable. Provide a method displayDate that displays the month, day and year separated by forward slashes (/). Write a test application named DateTest that demonstrates class Date's capabilities.