Follow Coding Standards

Day 2 Assignments

6. Create a class called Employee that includes three pieces of information as

data members—a first name (type string), a last name (type string) and a monthly salary (type int). Provide a ***set*** and a ***get*** function for each data member. If the monthly salary is not positive, set it to 0. Write a test program that demonstrates class Employee’s capabilities. Create two Employee objects and display each object’s yearly salary. Then give each Employee a 10 percent raise and display each Employee’s yearly salary again.

1. Create a class called Date that includes three pieces of information as data

members—a month (type int), a day (type int) and a year (type int). Your class should have a ***SetData*** member function with three parameters that uses the parameters to initialize the three data members. For the purpose of this exercise, assume that the values provided for the year and day are correct, but ensure that the month value is in the range 1–12; if it isn’t, set the month to 1. Provide a ***set*** and a ***get*** function for each data member. Provide a member function ***displayDate*** that displays the month, day and year separated by forward slashes (/). Write a test program that demonstrates class Date’s capabilities.

1. **.** Define a class student with the following specifications:

Adm\_no integer

Sname 20 characters

Eng float

Math float

science float

Total float

Private Function:

CalculateTotal() : Function to calculate total marks

Public member functions

GetData() : Function to accept values for adm\_no , sname, marks in eng,

math, science and invoke ctotal() to calculate total.

ShowData() : Function to display all the data members on the screen.