**ASSIGNMENT**

1. WRITE A CLASS PROGRAM IN C++ TO GET EMPLOYEE CODE, EMPLOYEE NAME, DEPARTMENT AND BASIC PAY. CALCULATE DA, HRA, PF, TAX, GROSS PAY AND NET PAY. CALCUALATIONS ARE MADE WITH THE FOLLOWING CONDITIONS.

IF BASIC PAY IS ABOVE 20000, DA IS 58.5% OF BASIC PAY, HRA IS 15% OF BASIC PAY, PF IS 20% OF BASIC PAY AND TAX IS 17% OF BASIC PAY

IF BASIC PAY IS ABOVE 15000, DA IS 46% OF BASIC PAY, HRA IS 12% OF BASIC PAY, PF IS 15% OF BASIC PAY AND TAX IS 12% OF BASIC PAY

OTHERWISE DA IS 42.5% OF BASIC PAY, HRA IS RS.1500, PF IS 10% OF BASIC PAY AND NO TAX

GROSS PAY = BASIC PAY + DA + HRA, DEDUCTION = PF + TAX

NET PAY = GROSS PAY – DEDUCTION

PRINT ALL DETAILS IN A NEAT FORMAT

NOTE:

Declare all the member data as ‘private’ and member functions ass public the class. Use getData() function, calculate() function and displayData() function for getting the inputs, calculate and print the details respectively.

1. Rewrite the same program with constructors [Default Constructors and Parameterized Constructors]
2. Rewrite the program with inheritance concept

NOTE: Keep Code, Name and Department in the Base Class and all the other details in the derived class