

ASSIGNMENT 3

DATE OF EXPERIMENT: 07.08.2023

TOPIC: JAVA PROGRAMMING ON OBJECT & CLASS

- Write a class with name Employee and basic as its data member, to find and display the gross pay of an employee for the following allowances and deduction. Use meaningful variables.
 Dearness Allowance = 25% of the Basic Pay
 House Rent Allowance = 15% of Basic Pay
 Provident Fund = 8.33% of Basic Pay
 Net Pay = Basic Pay + Dearness Allowance + House Rent Allowance
 Gross Pay = Net Pay – Provident Fund
- Define a class 'Salary' described as below:
 Data Members:
 Name, Address, Phone, Subject Specialisation, Monthly Salary, Income Tax.
 Member methods:
 i. To accept the details of a teacher including the monthly salary.
 ii. To display the details of the teacher.
 iii. To compute the annual Income Tax as 5% of the annual salary above Rs. 1,75,000/-.
 Write a main method to create object of the class and call the above member method.
- Define a class 'Student' described as below:
 Data members/instance variables:
 name, age, m1, m2, m3 (marks in 3 subjects), maximum, average
 Member methods:
 i. To accept the details of a student.
 ii. To compute the average and the maximum out of three marks.
 iii. To display the name, age, marks in three subjects, maximum and average.
 Write a main method to create an object of a class and call the above member methods.
- Define a class Employee having the following description:
 Instance variables:
 int pan to store personal account number
 String name to store name
 double tax_income to store annual taxable income
 double tax to store tax that is calculated
 Member functions:
 input () Store the pan number, name, taxable income
 calc() Calculate tax for an employee
 display () Output details of an employee
 Write a program to compute the tax according to the given conditions and display the output as per the given format.

Total Annual	Taxable Income & Tax Rate
Upto 1,00,000	No tax
From 1,00,001 to 1,50,000	10% of the income exceeding 1,00,000
From 1,50,001 to 2,50,000	5000 + 20% of the income exceeding 1,50,000
Above 2,50,000	25,000 + 30% of the income exceeding 2,50,000

 Output:

Pan Number	Name	Tax-income	Tax
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