

Assignment - 2

1. Write a program in Java to take data of an employee as an input and print the data using Getters and Setters.
2. Print the average of three numbers entered by user by creating a class named 'Average' having a method to calculate and print the average.
3. Create a class 'Degree' having a method 'getDegree' that prints "I got a degree". It has two subclasses namely 'Undergraduate' and 'Postgraduate' each having a method with the same name that prints "I am an Undergraduate" and "I am a Postgraduate" respectively. Call the method by creating an object of each of the three classes.
4. Write a program by creating an 'Employee' class having the following methods and print the salary.
 - a. 'getInfo()' which takes the salary, number of hours of work per day as parameters.
 - b. 'addsal()' which adds 50% of the salary to the salary of the employee if it is less than 10,000.
 - c. 'addwork()' which adds 20% of the salary to the salary if number of work hours per day is more than 8 hours.
5. Create a class named pizza that have the variables to store the size of pizza, number of cheese toppings, number of pepperoni toppings and number of ham toppings.

Pizza cost is determined by:

 - Small: 299/-
 - Medium: 499/-
 - Large: 699/-
 - Cheese Toppings: 10/-
 - Pepperoni Toppings: 10/-
 - Ham Toppings: 10/-

Write a public method 'getDescription()' that will return the exact total cost of the Pizza.

6. Create a class named 'PrintNumber' to print various numbers of different datatypes by creating different methods with the same name 'printn' having a parameter for each datatype. (Method Overloading).
7. Create a class to print the area of a square and a rectangle. The class has two methods with the same name but different number of parameters. The method for printing area of rectangle has two parameters which are length and breadth respectively while the other method for printing area of square has one parameter which is side of square.
8. Create a class named Bank. Create its subclasses namely SBI, ICICI, HDFC, AXIS. Every class will contain a method with name 'getRateOfInterest()' and print the rate of interest of each bank.