import java.util.Scanner;

class Employee {

String name, add, mail;

float id, mobile, basic;

void salary() {

float da, hra, pf, cf, gross;

da = basic \* 97 / 100;

hra = basic \* 10 / 100;

pf = basic \* 12 / 100;

cf = basic \* 0.1f / 100;

gross = basic + da + hra - pf - cf;

System.out.println("Name: " + name);

System.out.println("Basic Salary: " + basic);

System.out.println("Gross Salary: " + gross);

}

}

class Programmer extends Employee {

Programmer(String name, int sal) {

this.name = name;

basic = sal;

}

}

class Assistant\_Professor extends Employee {

Assistant\_Professor(String name, int sal) {

this.name = name;

basic = sal;

}

}

class Associate\_Professor extends Employee {

Associate\_Professor(String name, int sal) {

this.name = name;

basic = sal;

}

}

class Professor extends Employee {

Professor(String name, int sal) {

this.name = name;

basic = sal;

}

}

class Inheritance {

public static void main(String args[]) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter Assistant Professor's Name: ");

String astName = scanner.nextLine();

System.out.print("Enter Assistant Professor's Basic Salary: ");

int astSalary = scanner.nextInt();

Assistant\_Professor ast = new Assistant\_Professor(astName, astSalary);

ast.salary();

System.out.print("\nEnter Associate Professor's Name: ");

scanner.nextLine(); // consume the newline character

String asoName = scanner.nextLine();

System.out.print("Enter Associate Professor's Basic Salary: ");

int asoSalary = scanner.nextInt();

Associate\_Professor aso = new Associate\_Professor(asoName, asoSalary);

aso.salary();

System.out.print("\nEnter Professor's Name: ");

scanner.nextLine(); // consume the newline character

String poName = scanner.nextLine();

System.out.print("Enter Professor's Basic Salary: ");

int poSalary = scanner.nextInt();

Professor po = new Professor(poName, poSalary);

po.salary();

System.out.print("\nEnter Programmer's Name: ");

scanner.nextLine(); // consume the newline character

String pmName = scanner.nextLine();

System.out.print("Enter Programmer's Basic Salary: ");

int pmSalary = scanner.nextInt();

Programmer pm = new Programmer(pmName, pmSalary);

pm.salary();

scanner.close();

}

}