import java.util.Scanner;

class Employee {

String empname, empid, address, mailid, mobileno;

double basicpay;

Scanner sc = new Scanner(System.in);

void readdetail() {

System.out.println("Enter the employee name:");

empname = sc.nextLine();

System.out.println("Enter the employee ID:");

empid = sc.nextLine();

System.out.println("Enter the employee address:");

address = sc.nextLine();

System.out.println("Enter the employee mail ID:");

mailid = sc.nextLine();

System.out.println("Enter the employee mobile number:");

mobileno = sc.nextLine();

System.out.println("Enter the employee basic pay:");

basicpay = sc.nextDouble();

sc.nextLine();

}

void displayDetail() {

System.out.println("\n\_\_\_ Employee Details \_\_\_");

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

System.out.println("Employee ID: " + empid);

System.out.println("Address : " + address);

System.out.println("Mail ID : " + mailid);

System.out.println("Mobile No : " + mobileno);

System.out.println("Basic Pay : " + basicpay);

}

}

class Programmer extends Employee {

void generatepayslip() {

double da = basicpay \* 97 / 100;

double hra = basicpay \* 10 / 100;

double pf = basicpay \* 12 / 100;

double staffclub = basicpay \* 1 / 100;

double gross = basicpay + da + hra;

double net = gross - (pf + staffclub);

displayDetail();

System.out.println("\n\_\_\_ Designation: Programmer \_\_\_");

System.out.println("DA : " + da);

System.out.println("HRA : " + hra);

System.out.println("PF : " + pf);

System.out.println("Staff Club : " + staffclub);

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

System.out.println("Net Pay : " + net);

}

}

class Assistant\_Professor extends Employee {

void generatepayslip() {

double da = basicpay \* 110 / 100;

double hra = basicpay \* 20 / 100;

double pf = basicpay \* 12 / 100;

double staffclub = basicpay \* 5 / 100;

double gross = basicpay + da + hra;

double net = gross - (pf + staffclub);

displayDetail();

System.out.println("\n\_\_\_ Designation: Assistant Professor \_\_\_");

System.out.println("DA : " + da);

System.out.println("HRA : " + hra);

System.out.println("PF : " + pf);

System.out.println("Staff Club : " + staffclub);

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

System.out.println("Net Pay : " + net);

}

}

class Associate\_Professor extends Employee {

void generatepayslip() {

double da = basicpay \* 130 / 100;

double hra = basicpay \* 30 / 100;

double pf = basicpay \* 12 / 100;

double staffclub = basicpay \* 10 / 100;

double gross = basicpay + da + hra;

double net = gross - (pf + staffclub);

displayDetail();

System.out.println("\n\_\_\_ Designation: Associate Professor \_\_\_");

System.out.println("DA : " + da);

System.out.println("HRA : " + hra);

System.out.println("PF : " + pf);

System.out.println("Staff Club : " + staffclub);

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

System.out.println("Net Pay : " + net);

}

}

class Professor extends Employee {

void generatepayslip() {

double da = basicpay \* 140 / 100;

double hra = basicpay \* 40 / 100;

double pf = basicpay \* 12 / 100;

double staffclub = basicpay \* 15 / 100;

double gross = basicpay + da + hra;

double net = gross - (pf + staffclub);

displayDetail();

System.out.println("\n\_\_\_ Designation: Professor \_\_\_");

System.out.println("DA : " + da);

System.out.println("HRA : " + hra);

System.out.println("PF : " + pf);

System.out.println("Staff Club : " + staffclub);

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

System.out.println("Net Pay : " + net);

}

}

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Choose designation:");

System.out.println("1. Programmer");

System.out.println("2. Assistant Professor");

System.out.println("3. Associate Professor");

System.out.println("4. Professor");

int choice = sc.nextInt();

sc.nextLine();

switch (choice) {

case 1:

Programmer p = new Programmer();

p.readdetail();

p.generatepayslip();

break;

case 2:

Assistant\_Professor ap = new Assistant\_Professor();

ap.readdetail();

ap.generatepayslip();

break;

case 3:

Associate\_Professor asp = new Associate\_Professor();

asp.readdetail();

asp.generatepayslip();

break;

case 4:

Professor prof = new Professor();

prof.readdetail();

prof.generatepayslip();

break;

default:

System.out.println("Invalid choice!");

}

}

}

Choose designation:

1. Programmer

2. Assistant Professor

3. Associate Professor

4. Professor

Enter the employee name:Pavitra Dharanitha S

Enter the employee ID:NOV2411

Enter the employee address:Ahmedabad

Enter the employee mail ID:Dharanitha@example.com

Enter the employee mobile number:9876543230

Enter the employee basic pay:50000

\_\_\_ Employee Details \_\_\_

Name : Pavitra Dharanitha

Employee ID: NOV2411

Address : Ahmedabad

Mail ID : Dharanitha@example.com

Mobile No : 9876543210

Basic Pay : 50000.0

\_\_\_ Designation: Professor \_\_\_

DA : 70000.0

HRA : 20000.0

PF : 6000.0

Staff Club : 7500.0

Gross Pay : 140000.0

Net Pay : 126500.0