import java.util.\*;

class Employee

{

String empName, empId, address, mailId, mobileNo;

double basicPay, da, hra, pf, staffClub, gross, net;

Scanner sc = new Scanner(System.in);

void readDetails()

{

System.out.println("Enter Employee name: ");

empName = sc.nextLine();

System.out.println("Enter Employee ID: ");

empId = sc.nextLine();

System.out.println("Enter Employee address: ");

address = sc.nextLine();

System.out.println("Enter Employee Mail ID: ");

mailId = sc.nextLine();

System.out.println("Enter Employee Mobile No: ");

mobileNo = sc.nextLine();

System.out.println("Enter Basic Pay: ");

basicPay = sc.nextDouble();

}

void displayDetails()

{

System.out.println("Employee name: "+empName);

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

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

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

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

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

}

}

class Programmer extends Employee

{

void calculatePaySlip()

{

da = basicPay \* 97/100;

hra = basicPay \* 10/100;

pf = basicPay \* 12/100;

staffClub = basicPay \* 1/100;

gross = basicPay + da + hra;

net = gross - (pf + staffClub);

}

void generatePaySlip()

{

System.out.println("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 AssistantProfessor extends Employee

{

void calculatePaySlip()

{

da = basicPay \* 110/100;

hra = basicPay \* 20/100;

pf = basicPay \* 12/100;

staffClub = basicPay \* 5/100;

gross = basicPay + da + hra;

net = gross - (pf + staffClub);

}

void generatePaySlip()

{

System.out.println("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 AssociateProfessor extends Employee

{

void calculatePaySlip()

{

da = basicPay \* 130/100;

hra = basicPay \* 30/100;

pf = basicPay \* 12/100;

staffClub = basicPay \* 10/100;

gross = basicPay + da + hra;

net = gross - (pf + staffClub);

}

void generatePaySlip()

{

System.out.println("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 calculatePaySlip()

{

da = basicPay \* 140/100;

hra = basicPay \* 40/100;

pf = basicPay \* 12/100;

staffClub = basicPay \* 15/100;

gross = basicPay + da + hra;

net = gross - (pf + staffClub);

}

void generatePaySlip()

{

System.out.println("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 EmployeePaySlip

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter Employee Designation: \n1.Programmer \n2.Assistant Professor \n3.Associate Professor \n4.Professor");

int choice = sc.nextInt();

sc.nextLine();

switch(choice)

{

case 1:

 Programmer p = new Programmer();

 p.readDetails();

 p.displayDetails();

 p.calculatePaySlip();

 p.generatePaySlip();

 break;

case 2:

 AssistantProfessor asp = new AssistantProfessor();

 asp.readDetails();

 asp.displayDetails();

 asp.calculatePaySlip();

 asp.generatePaySlip();

 break;

case 3:

 AssociateProfessor atp = new AssociateProfessor();

 atp.readDetails();

 atp.displayDetails();

 atp.calculatePaySlip();

 atp.generatePaySlip();

 break;

case 4:

 Professor po = new Professor();

 po.readDetails();

 po.displayDetails();

 po.calculatePaySlip();

 po.generatePaySlip();

 break;

default:

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

}

sc.close();

}

}

OUTPUT:

Enter Employee Designation:

1.Programmer

2.Assistant Professor

3.Associate Professor

4.Professor

1

Enter Employee name:

guruprasath

Enter Employee ID:

24ucs059

Enter Employee address:

theni

Enter Employee Mail ID:

24ucs059@kamarajengg.edu.in

Enter Employee Mobile No:

9486148750

Enter Basic Pay:

200000

Employee name: guruprasath

Employee ID: 24ucs059

Employee address: theni

Employee Mail ID: 24ucs059@kamarajengg.edu.in

Employee Mobile No: 9486148750

Employee Basic Pay: 200000.0

Designation: Programmer

DA: 194000.0

HRA: 20000.0

PF: 24000.0

Staff Club: 2000.0

Gross Pay: 414000.0 Net Pay: 388000.0