import java.util.Scanner;

class Employee{

String empName,empId,address,mailId,mobNo;

double basicPay;

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:");

mobNo=sc.nextLine();

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

basicPay=sc.nextDouble();

}

void displayDetails(){

System.out.println("-----employee details-----");

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:"+mobNo);

System.out.println("employee 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);

displayDetails();

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 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);

displayDetails();

System.out.println("Designation:Assistance 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 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);

displayDetails();

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 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);

displayDetails();

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.generatepaySlip();

break;

case 2:

Assistantprofessor ap=new Assistantprofessor();

ap.readDetails();

ap.generatepaySlip();

break;

case 3:

Associateprofessor asp=new Associateprofessor();

asp.readDetails();

asp.generatepaySlip();

break;

case 4:

Professor prof=new Professor();

prof.readDetails();

prof.generatepaySlip();

break;

default:

System.out.println("invalidchoice");

}

sc.close();

}

}