import java.util.\*;

class Employee{

String Emp\_name;

int Emp\_id;

String address;

String mailID;

long mobileNumber;

double da,hra,pf,sc,ns,gs;

Scanner s=new Scanner(System.in);

void empdetails(){

System.out.println("Enter the Employee Name : ");

Emp\_name=s.nextLine();

System.out.println("Enter the Employee Address : ");

address=s.nextLine();

System.out.println("Enter the Employee MailID : ");

mailID=s.nextLine();

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

Emp\_id=s.nextInt();

System.out.println("Enter the Employee Mobile Number : ");

mobileNumber=s.nextLong();

}

void display(){

System.out.println("Employee Name : "+Emp\_name);

System.out.println("Employee ID : "+Emp\_id);

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

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

System.out.println("Employee Mobile Number : "+mobileNumber);

}

}

class Programmer extends Employee{

public void grosspay(double x){

empdetails();

display();

da=x\*0.97;

hra=x\*0.1;

pf=x\*0.12;

sc=x\*0.01;

gs=x+da+hra;

ns=gs-pf-sc;

System.out.println("Grosspay : "+gs);

System.out.println("Netpay : "+ns);

}

}

class AssistantProfessor extends Employee{

public void grosspay(double x){

empdetails();

display();

da=x\*1.10;

hra=x\*0.2;

pf=x\*0.12;

sc=x\*0.05;

gs=x+da+hra;

ns=gs-pf-sc;

System.out.println("Grosspay : "+gs);

System.out.println("Netpay : "+ns);

}

}

class AssociateProfessor extends Employee{

public void grosspay(double x){

empdetails();

display();

da=x\*1.30;

hra=x\*0.3;

pf=x\*0.12;

sc=x\*0.1;

gs=x+da+hra;

ns=gs-pf-sc;

System.out.println("Grosspay : "+gs);

System.out.println("Netpay : "+ns);

}

}

class Professor extends Employee{

public void grosspay(double x){

empdetails();

display();

da=x\*1.40;

hra=x\*0.4;

pf=x\*0.12;

sc=x\*0.15;

gs=x+da+hra;

ns=gs-pf-sc;

System.out.println("Grosspay : "+gs);

System.out.println("Netpay : "+ns);

}

}

class main{

public static void main(String args[]){

double bpay;

Scanner s=new Scanner(System.in);

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

bpay=s.nextDouble();

if(bpay>=15000 && bpay<=20000.0){

Programmer p=new Programmer();

p.grosspay(bpay);

}

else if(bpay>=20001 && bpay<=30000){

AssistantProfessor as=new AssistantProfessor();

as.grosspay(bpay);

}

else if(bpay>=30001 && bpay<=40000){

AssociateProfessor ap=new AssociateProfessor();

ap.grosspay(bpay);

}

else if(bpay>40000){

Professor pf=new Professor();

pf.grosspay(bpay);

}

else{

System.out.println("Invalid");

}

}

}



