import java.util.Scanner;

public class Main {

public static void main(String[] args){

MyDate date = new MyDate();

Person P =new Person();

Student S = new Student();

Employee E = new Employee();

UnderGradStud UGS = new UnderGradStud();

PostGradStudent PGS = new PostGradStudent();

PhdStud phds = new PhdStud();

MasterStud ms = new MasterStud();

int test ,SID,EID , day ,month ,year, CLASS , RI;

double GRAD , GPA ,SALARY,HOURS,RD ;

String NAME , SSN, ADDRESS , EMAIL ,BIRTHDAY,RS ;

Scanner sc = new Scanner(System.in);

//-------------------------------------------------------------

System.out.println("-----------------TESTING-----------------");

System.out.println("Entering Person Information");

System.out.println();

System.out.print("Please Enter your National Number"+" :");

SSN = sc.nextLine();

P.setSsn(SSN);

//sc.nextLine();

System.out.print("Please Enter your Name"+" :");

NAME=sc.nextLine();

P.setName(NAME);

System.out.print("Please Enter your EMail"+" :");

EMAIL=sc.nextLine();

P.setEmail(EMAIL);

System.out.print("Please Enter your Address"+" :");

ADDRESS=sc.nextLine();

P.setAddress(ADDRESS);

System.out.print("Please Enter your BirthDay like this day ,month and year"+" :");

day = sc.nextInt();

month =sc.nextInt();

year = sc.nextInt();

P.setBDate(day,month,year);

System.out.println("Pleasr Enter 1 if you are steudent and Enter 2 if you are Employee");

test = sc.nextInt();

if (test==1){

System.out.println("Entering Student Information");

System.out.println();

System.out.println("Please Enter Your ID : ");

SID=sc.nextInt();

S.setSID(SID);

System.out.println("Please Enter YOur Grad : " );

GRAD=sc.nextDouble();

S.setGrad(GRAD);

System.out.println("Please Enter Your Class Statu Number 1,2,3,or 4 and 5 for master Student or 6 for PHDStudent: ");

CLASS = sc.nextInt();

S.setClass\_statu(CLASS);

System.out.println("Please Enter 1 if you are undergraduate Student or 2 if you are Postgraduate Student");

test=sc.nextInt();

if(test==1){

System.out.println("Entering UnderGraduate Student Information");

System.out.println();

System.out.println("Please Enter Your GPA : ");

GPA=sc.nextDouble();

UGS.setGPA(GPA);

System.out.println("Please Enter Your Cridet Hours : ");

HOURS=sc.nextDouble();

UGS.setHours(HOURS);

}else {

System.out.println("You are PostGraduate Stedent and Your Information : ");

}

}else

{

System.out.println("Entering Employee Information");

System.out.println();

System.out.println("Please Enter Your ID : ");

EID=sc.nextInt();

E.setEID(EID);

System.out.println("Please Enter Your Salary : ");

SALARY=sc.nextDouble();

E.setSalary(SALARY);

System.out.println("Please Enter your HDate like this day ,month and year\"+\" :");

day = sc.nextInt();

month =sc.nextInt();

year = sc.nextInt();

E.setHDate(day,month,year);

}

System.out.println("Please Enter 1 to display person information");

System.out.println("Please Enter 2 to display Student information");

System.out.println("Please Enter 3 to display UnderGraduate Student information");

System.out.println("Please Enter 4 to display PostGraduate Student information");

System.out.println("Please Enter 5 to display Master Student information");

System.out.println("Please Enter 6 to display PHD Student information");

System.out.println("Please Enter 7 to display Employee information");

test=sc.nextInt();

if(test==1){

System.out.println("----------- Person Information-----------");

System.out.println();

RS=P.getSsn();

System.out.println("SSN: "+RS);

RS = P.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

}

if(test==2){

System.out.println("----------- Student Information-----------");

System.out.println();

RS=S.getSsn();

System.out.println("SSN: "+RS);

RS = S.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RI=S.getSID();

System.out.println("SID : "+RI);

RD=S.getGrad();

System.out.println("Grad : "+RD);

RI=S.getClass\_statu();

System.out.println("Clas\_Statu : "+RI);

}

if(test==3){

System.out.println("----------- UnderGraduate Student Information-----------");

System.out.println();

RS=UGS.getSsn();

System.out.println("SSN: "+RS);

RS = UGS.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RI=S.getSID();

System.out.println("SID : "+RI);

RD=S.getGrad();

System.out.println("Grad : "+RD);

RI=S.getClass\_statu();

System.out.println("Clas\_Statu : "+RI);

RD =UGS.getGPA();

System.out.println("GPA : "+RD);

RD =UGS.getHours();

System.out.println("Cridet Hours : "+RD);

}

if(test==4){

System.out.println("----------- PostGraduate Student Information-----------");

System.out.println();

RS=P.getSsn();

System.out.println("SSN: "+RS);

RS = P.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RI=S.getSID();

System.out.println("SID : "+RI);

RD=S.getGrad();

System.out.println("Grad : "+RD);

RI=S.getClass\_statu();

System.out.println("Clas\_Statu : "+RI);

}

if(test==5){

System.out.println("----------- Master Student Information-----------");

System.out.println();

RS=P.getSsn();

System.out.println("SSN: "+RS);

RS = P.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RI=S.getSID();

System.out.println("SID : "+RI);

RD=S.getGrad();

System.out.println("Grad : "+RD);

RI=S.getClass\_statu();

System.out.println("Clas\_Statu : "+RI);

}

if(test==6){

System.out.println("----------- PHD Student Information-----------");

System.out.println();

RS=P.getSsn();

System.out.println("SSN: "+RS);

RS = P.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RI=S.getSID();

System.out.println("SID : "+RI);

RD=S.getGrad();

System.out.println("Grad : "+RD);

RI=S.getClass\_statu();

System.out.println("Clas\_Statu : "+RI);

}

if(test==7){

System.out.println("----------- Employee Information-----------");

System.out.println();

RS=E.getSsn();

System.out.println("SSN: "+RS);

RS = E.getName();

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

RS = P.getAddress();

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

RS = P.getEmail();

System.out.println("Email: "+RS);

date = P.getBDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RI=E.getEID();

System.out.println("EID : "+RI);

date = E.getHDate();

System.out.println(date.Day+"/"+date.Month+"/"+date.Year);

RD=E.getSalary();

System.out.println("Salary : "+RD);

}

}

}