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("Please 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 = S.getAddress();  
 System.*out*.println("Address: "+RS);  
 RS = S.getEmail();  
 System.*out*.println("Email: "+RS);  
 date = S.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 = UGS.getAddress();  
 System.*out*.println("Address: "+RS);  
 RS = UGS.getEmail();  
 System.*out*.println("Email: "+RS);  
 date = UGS.getBDate();  
 System.*out*.println(date.Day+"/"+date.Month+"/"+date.Year);  
 RI=UGS.getSID();  
 System.*out*.println("SID : "+RI);  
 RD=UGS.getGrad();  
 System.*out*.println("Grad : "+RD);  
 RI=UGS.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=PGS.getSsn();  
 System.*out*.println("SSN: "+RS);  
 RS = PGS.getName();  
 System.*out*.println("Name: "+RS);  
 RS = PGS.getAddress();  
 System.*out*.println("Address: "+RS);  
 RS = PGS.getEmail();  
 System.*out*.println("Email: "+RS);  
 date = PGS.getBDate();  
 System.*out*.println(date.Day+"/"+date.Month+"/"+date.Year);  
 RI=PGS.getSID();  
 System.*out*.println("SID : "+RI);  
 RD=PGS.getGrad();  
 System.*out*.println("Grad : "+RD);  
 RI=PGS.getClass\_statu();  
 System.*out*.println("Clas\_Statu : "+RI);  
 }  
 if(test==5){  
 System.*out*.println("----------- Master Student Information-----------");  
 System.*out*.println();  
 RS=ms.getSsn();  
 System.*out*.println("SSN: "+RS);  
 RS = ms.getName();  
 System.*out*.println("Name: "+RS);  
 RS = ms.getAddress();  
 System.*out*.println("Address: "+RS);  
 RS = ms.getEmail();  
 System.*out*.println("Email: "+RS);  
 date = ms.getBDate();  
 System.*out*.println(date.Day+"/"+date.Month+"/"+date.Year);  
 RI=ms.getSID();  
 System.*out*.println("SID : "+RI);  
 RD=ms.getGrad();  
 System.*out*.println("Grad : "+RD);  
 RI=ms.getClass\_statu();  
 System.*out*.println("Clas\_Statu : "+RI);  
 }  
 if(test==6){  
 System.*out*.println("----------- PHD Student Information-----------");  
 System.*out*.println();  
 RS=phds.getSsn();  
 System.*out*.println("SSN: "+RS);  
 RS = phds.getName();  
 System.*out*.println("Name: "+RS);  
 RS = phds.getAddress();  
 System.*out*.println("Address: "+RS);  
 RS = phds.getEmail();  
 System.*out*.println("Email: "+RS);  
 date = phds.getBDate();  
 System.*out*.println(date.Day+"/"+date.Month+"/"+date.Year);  
 RI=phds.getSID();  
 System.*out*.println("SID : "+RI);  
 RD=phds.getGrad();  
 System.*out*.println("Grad : "+RD);  
 RI=phds.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 = E.getAddress();  
 System.*out*.println("Address: "+RS);  
 RS = E.getEmail();  
 System.*out*.println("Email: "+RS);  
 date = E.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);  
  
 }  
  
  
 }  
}