(
2.	import java util Scanner;
	clais Person
	E string institution;
	3
	class Employee extends Person
	¿ int empid;
	il a Table to the land
	class Teaching extends Employee
200	t staring which's
	String subject
	void VsetDalta (Etaing i; out (id, Etaings)
	empid = e-id;
	subject : s'
	3
	void displaye
34 4	E system but printly ();
	System. out paintly (" TEACHING");
	System-ord-printly ("Thetituition: "+ instituition
	System-out Println (" Employer ID: "+ empid);
-	System. out printly (" subject; "+ subject)
-	3
	3 Annal path File
-	Class Non-Teaching extends Employee
	1 lbar la ba
	Itting designation
	void setData (string i, int end, stringd) instituition:
	empid= e.id.
	disignation=d;
	3
	void display()
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	Suptem out paintly (" NON-TEACHING-")
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Lystem out printly ("Instituition: "+ instituition); System out point lu ("Employee ID: "+ empid) System out paintly (" Designation: " + degignation) class Student extends Person Storing ven; class va extende student string branch; void bet Data (String i, String v, String b) instituction=i; USn=v: branch: b; void display() System out printly System-out-paintly " --- va---"); System and pointly "Instituition: "+ instituition). System out println("USN: "+ USN) Syxtem out paintly ("Branch: "+ branch); clas par extends Student String specialization; voide settlata (String i, String U, String & p) ¿ instituition=i; 1 UIn=U' 3 specialization = sp; you'd display () E system l'out printlus; System. out. printlnc" - - PG---") System. out printly ("Tystituition: "Tinstituition)"

System out println ("Specialization;" + Agerialization class Porson Main ¿ public static void main (string args []) E Stain U, s, d, U, b, 8p; intid. Peanner Sc=new Scanner (System.in); Teaching 201: New Teaching (); Non-Toaching ob2- new Non-Teaching (); UG 053 = New UOrCS; PG Obly = new PGi(), System out printly (" - - TEACHING --- " System. out pointly ("Enter instituition") i' sinucti); System out pountly "Enter employee TO") id= scnextrat() System out pointly " Enter the subject") e= 81. next(), obliset Data (cid, s) System. out point lu (" - - NON-TEACHING -System out pointly ("Enter instituition") i=servet() System out pountly ("Ent or employee ID") i'd= screetinte); System out parintle ("Enter the designation) d-sc-next(); obd. letDatali, id. d); System out pointly (" - - - U a - - - "). Sextem out printly " Extently instituition i=81-neatl) System out println (" Enter USU"); V= Schester

System out printly (" Enter the branch besinext(); ob3. set Data Ci, U, b); System. out pointlu ("--- PG---"); System. out pointlu (" Enter justituition"); i= 1(· next() 8 ystem-out println(" Enter USN"); V= &(·next() System. out println("Enter the specialization"); Ap = sinext(); oby. set Data (i, v, sp) ob). display() 963. displayer oby displayer

```
import java.util.Scanner;
class Person
{
        String instituition;
}
class Employee extends Person
{
        int empid;
}
class Teaching extends Employee
{
        String subject;
       void setData(String i,int e_id,String s)
       {
                instituition=i;
                empid=e_id;
                subject=s;
        }
       void display()
        {
                System.out.println();
                System.out.println("---TEACHING---");
                System.out.println("Instituition: "+instituition);
                System.out.println("Employee ID: "+empid);
                System.out.println("Subject: "+subject);
        }
}
class Non_Teaching extends Employee
{
```

```
String designation;
        void setData(String i,int e_id,String d)
        {
                instituition=i;
                empid=e_id;
                designation=d;
       }
        void display()
        {
                System.out.println();
                System.out.println("---NON-TEACHING---");
                System.out.println("Instituition: "+instituition);
                System.out.println("Employee ID: "+empid);
                System.out.println("Designation: "+designation);
       }
}
class Student extends Person
{
        String usn;
}
class UG extends Student
{
        String branch;
        void setData(String i,String u,String b)
        {
                instituition=i;
                usn=u;
                branch=b;
       }
```

```
void display()
        {
                System.out.println();
                System.out.println("---UG---");
                System.out.println("Instituition: "+instituition);
                System.out.println("USN: "+usn);
                System.out.println("Branch: "+branch);
        }
}
class PG extends Student
{
        String specialization;
        void setData(String i,String u,String sp)
        {
                instituition=i;
                usn=u;
                specialization=sp;
        }
        void display()
        {
                System.out.println();
                System.out.println("---PG---");
                System.out.println("Instituition: "+instituition);
                System.out.println("USN: "+usn);
                System.out.println("Specialization: "+specialization);
        }
}
class PersonMain
{
```

```
public static void main(String args[])
{
       String i,s,d,u,b,sp;
       int id;
       Scanner sc=new Scanner(System.in);
       Teaching ob1=new Teaching();
       Non_Teaching ob2=new Non_Teaching();
       UG ob3=new UG();
       PG ob4=new PG();
       System.out.println("---TEACHING---");
       System.out.println("Enter instituition");
       i=sc.next();
       System.out.println("Enter employee ID");
       id=sc.nextInt();
       System.out.println("Enter the subject");
       s=sc.next();
       ob1.setData(i,id,s);
       System.out.println("---NON-TEACHING---");
       System.out.println("Enter instituition");
       i=sc.next();
       System.out.println("Enter employee ID");
       id=sc.nextInt();
       System.out.println("Enter the designation");
       d=sc.next();
       ob2.setData(i,id,d);
       System.out.println("---UG---");
       System.out.println("Enter instituition");
       i=sc.next();
       System.out.println("Enter USN");
```

```
u=sc.next();
                System.out.println("Enter the branch");
                b=sc.next();
                ob3.setData(i,u,b);
                System.out.println("---PG---");
                System.out.println("Enter instituition");
                i=sc.next();
                System.out.println("Enter USN");
                u=sc.next();
                System.out.println("Enter the specialization");
                sp=sc.next();
                ob4.setData(i,u,sp);
                ob1.display();
                ob2.display();
                ob3.display();
                ob4.display();
        }
}
```

```
C:\Users\Adithi\Desktop\java_prgs>java PersonMain
---TEACHING---
Enter instituition
BMSCE
Enter employee ID
12422
Enter the subject
JAVA
---NON-TEACHING---
Enter instituition
BMSIT
Enter employee ID
78964
Enter the designation
Clerk
---UG---
Enter instituition
BMSIT
Enter USN
1bm10cs001
Enter the branch
CSE
---PG---
Enter instituition
BMSCE
Enter USN
1bm10PG
Enter the specialization
Computer
---TEACHING---
Instituition: BMSCE
Employee ID: 12422
Subject: JAVA
---NON-TEACHING---
Instituition: BMSIT
Employee ID: 78964
Designation: Clerk
---UG---
Instituition: BMSIT
USN: 1bm10cs001
Branch: CSE
---PG---
Instituition: BMSCE
USN: 1bm10PG
Specialization: Computer
C:\Users\Adithi\Desktop\java_prgs>_
```