	25.035.044.2
	Weck 9 - extra program-
	Carl manihas
1.	fire: members
	package Staft;
	and the class members
	e public ivit id
	Rublic Etaing name;
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	Fule: staff
	Package Staff:
	import java util scannes
	public class staff extends members
	's Etring disignation;
	public void accepte)
	& Scanner sc-new Scanner ( system. in)
	System out printly (" Enter the 10 name and
	designation of the staff")
	id= homestinge)
	name = Minext();
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	3 3 12 3 1 1 1 1 2
	public void display()
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	System out printly (" Name: "+ name)
	System out printly ("Designation: "I durquation)
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File: stu pachage Student import Staff "; import jour whi scenner; public class stu extends staff members int Semi public void augst () Scanner & c = new Scanner (System. in) System out printle ("Enta the ID, name, and servester of the student "); id: be next Inter; name = Sinext(); News sconert Intel; public void displaye) E System out printle (" Details are: ") System out printly (" ID: " Hill): System out printly ("Name i" + name); Tystem out Printle (" Semester:" + Sem); File: university import Scholand of; in Jest Staff. P; import java-util. Scannes class university Rubic static void main(8tring args CD 5 Scanny 80 come = new Scanner ( Bystem in) int n\_st, n\_st, i)

System out privilen (" Enter the number of students and the number of staff ) n et = sc. next [wt(); et = RenextInd(); Staff. Staff & E) = new Staff. Staff [n\_sf] Standard stu et CJ: new Student Stuto stJ. 87 (i=0; i'm st; it) Stall: new Student Stul) System out println("-- Student "+ (i+)+"--At all acceptes; to (1=0; ULN 81) i++ & Ci J=new Staff. Staff (); System out println (" - - Staft "+ (it) +" - "). s W. acceptes: System out println(); System.out. println ("Delaile: ") per (v=0; ix n st; l+1 System out println ("-- Student"+ li+1)+"-1) it (i) display() Eystem out pointlnes; ( + ( + ) ( ( n - s) (++) System-out paintly ("-- Staff "+a+1)+" sfair-diplayer;

```
FILE: members.java
package Staff;
public class members
{
        public int id;
        public String name;
}
FILE: staff.java
package Staff;
import java.util.Scanner;
public class staff extends members
{
       String designation;
        public void accept()
       {
               Scanner sc=new Scanner(System.in);
               System.out.println("Enter the ID,name and designation of the staff");
               id=sc.nextInt();
               name=sc.next();
               designation=sc.next();
       }
        public void display()
       {
               System.out.println("Details are:");
               System.out.println("ID: "+id);
               System.out.println("Name: "+name);
               System.out.println("Designation: "+designation);
       }
}
```

```
package Student;
import Staff.*;
import java.util.Scanner;
public class stu extends Staff.members
{
        int sem;
        public void accept()
        {
                Scanner sc=new Scanner(System.in);
                System.out.println("Enter the ID,name and semester of the student");
                id=sc.nextInt();
                name=sc.next();
                sem=sc.nextInt();
        }
        public void display()
        {
                System.out.println("Details are:");
                System.out.println("ID: "+id);
                System.out.println("Name: "+name);
                System.out.println("Semester: "+sem);
        }
}
FILE: university.java
import Student.*;
import Staff.*;
import java.util.Scanner;
class university
{
        public static void main(String args[])
        {
```

```
Scanner sc=new Scanner(System.in);
       int n_st,n_sf,i;
       System.out.println("Enter the number of students and the number of staffs");
       n_st=sc.nextInt();
       n_sf=sc.nextInt();
       Staff.staff sf[]=new Staff.staff[n_sf];
       Student.stu st[]=new Student.stu[n_st];
       for(i=0;i<n_st;i++)
       {
               st[i]=new Student.stu();
               System.out.println("---Student "+(i+1)+" ---");
               st[i].accept();
       }
       for(i=0;i<n_sf;i++)
       {
               sf[i]=new Staff.staff();
               System.out.println("---Staff "+(i+1)+" ---");
               sf[i].accept();
       }
       System.out.println();
       System.out.println("Details:");
       for(i=0;i<n_st;i++)
       {
               System.out.println("---Student "+(i+1)+" ---");
               st[i].display();
       }
       System.out.println();
       for(i=0;i<n_sf;i++)
       {
               System.out.println("---Staff "+(i+1)+" ---");
               sf[i].display();
```

```
}
C:\Users\Adithi\Desktop\java_prgs\package2>java university
Enter the number of students and the number of staffs
---Student 1 ---
Enter the ID, name and semester of the student
3432
Anu
---Staff 1 ---
Enter the ID, name and designation of the staff
Aditi
Teacher
Details:
---Student 1 ---
Details are:
ID: 3432
Name: Anu
Semester: 2
---Staff 1 ---
Details are:
ID: 8979
Name: Aditi
Designation: Teacher
C:\Users\Adithi\Desktop\java_prgs\package2>
```

}

}