

Code:

Week9Extra-1

Pkg Student:

```
1 package Student;
2 import java.util.Scanner;
3
4 public class student
5 {
6     Scanner get = new Scanner(System.in);
7     String usn,name;
8     int sem;
9     public void getStudentInfo()
10    {
11        System.out.printf("\n\n <----Enter the Student Details----> ");
12        System.out.printf("\n USN: ");usn=get.next();
13        System.out.printf(" Name: ");name=get.next();
14        System.out.printf(" SEM: ");sem=get.nextInt();
15
16    }
17
18    public void displayStudent()
19    {
20        System.out.printf("\n\n <----Student Details----> ");
21        System.out.printf("\n USN: %s",usn);
22        System.out.printf("\n Name: %s",name);
23        System.out.printf("\n SEM: %d",sem);
24        System.out.printf("\n <----x----> ");
25    }
26 }
```

Pkg Staff:

```
1 package Staff;
2 import java.util.Scanner;
3
4 public class staff
5 {
6
7     Scanner get = new Scanner(System.in);
8     String name,id;
9     String branch;
10    double salary;
11    public void getStaffInfo()
12    {
13        System.out.printf("\n\n <----Enter the Staff Details----> ");
14        System.out.printf("\n ID: ");id=get.next();
15        System.out.printf(" Name: ");name=get.next();
16        System.out.printf(" Branch: ");branch=get.next();
17        System.out.printf(" Salary: ");salary=get.nextDouble();
18
19    }
20
21    public void displayStaff()
22    {
23        System.out.printf("\n\n <----Staff Details----> ");
24        System.out.printf("\n ID: %s",id);
25        System.out.printf("\n Name: %s",name);
26        System.out.printf("\n Branch: %s",branch);
27        System.out.printf("\n Salary: %.2f",salary);
28        System.out.printf("\n <----x----> ");
29    }
30 }
31 }
```

Main Program:

```
1  import Staff.*;
2  import Student.*;
3  import java.util.Scanner;
4
5  class university
6  {
7      public static void main(String[] args)
8      {
9          Staff.staf[] staf[];
10         Scanner get = new Scanner(System.in);
11         Student.student stud[];
12         int m, n;
13         System.out.printf("\n Enter the Number Of Staff: ");
14         m=get.nextInt();
15         System.out.printf("\n Enter the Number Of Students: ");
16         n=get.nextInt();
17         staf=new Staff.staf[m];
18         stud=new Student.student[n];
19         for (int i=0;i<m;i++)
20         {
21             staf[i]=new Staff.staf();
22             staf[i].getStaffInfo();
23         }
24         for (int i=0;i<n;i++)
25         {
26             stud[i]=new Student.student();
27             stud[i].getStudentInfo();
28         }
29
30         for (int i=0;i<m;i++)
31         {
32             staf[i].displayStaff();
33         }
34         for (int i=0;i<n;i++)
35         {
36             stud[i].displayStudent();
37         }
38     }
39 }
40 }
```

Output:

```
Enter the Number Of Staff: 2
Enter the Number Of Students: 1

<----Enter the Staff Details---->
ID: 1223
Name: m1
Branch: CS
Salary: 190000

<----Enter the Staff Details---->
ID: 1234
Name: m2
Branch: ECE
Salary: 187999

<----Enter the Student Details---->
USN: 18M19CS008
Name: n1
SEM: 3
```

```
<----Staff Details---->
ID: 1223
Name: m1
Branch: CS
Salary: 190000.00
<----X---->

<----Staff Details---->
ID: 1234
Name: m2
Branch: ECE
Salary: 187999.00
<----X---->
```

```
<----Student Details---->
USN: 18M19CS008
Name: n1
SEM: 3
<----X---->
```