

```
package Staff;

import java.util.Scanner;

public class staff{

    public Scanner sc=new Scanner(System.in);

    public String name_staff;

    public int sem_staff;

    public void staff_det(){

        System.out.println("Enter your name:");

        this.name_staff=sc.next();

        System.out.println("Enter your Semester you teach in:");

        this.sem_staff=sc.nextInt();

    }

}
```

```
package Student;

import Staff.*;

import java.util.Scanner;

public class student extends Staff.staff{

    public String name_stud;

    public int sem_stud;

    public void stud_det(){

        System.out.println("Enter your name:");

        this.name_stud=sc.next();

        System.out.println("Enter your Semester:");

        this.sem_stud=sc.nextInt();

    }

}
```

```
}
```

```
import Staff.*;
import Student.*;
import java.util.Scanner;
class Driver{
public static void main(String args[]){
Scanner sc=new Scanner(System.in);
int t,s;
System.out.println("Enter the number of teachers:");
t=sc.nextInt();
Staff.staff ob1[]=new Staff.staff[t];
for(int i=0;i<t;i++){
ob1[i]=new staff();
ob1[i].staff_det();
}
System.out.println("Enter the number of Students:");
s=sc.nextInt();
Student.student ob2[]=new Student.student[s];
for(int i=0;i<s;i++){
ob2[i]=new student();
ob2[i].stud_det();
}
System.out.println("Your Course teachers are:");
```

```
for(int j=0;j<t;j++){  
    System.out.println(ob1[j].name_staff);  
}  
}  
}  
}
```