

```
Package cie;  
import java.util.*;
```

```
public class student {  
    Scanner sc = new Scanner(System.in);  
    public String usn = "";  
    public String name = "";  
    public int sem = 0;
```

```
    public void getData() {  
        System.out.println("USN : ");  
        usn = sc.next();  
        System.out.println("Name : ");  
        name = sc.next();  
        System.out.println("Semester : ");  
        sem = sc.nextInt();  
    }  
}
```

```
Package cie;  
import java.util.Scanner;
```

```
public class internal {  
    Scanner sc = new Scanner(System.in);  
    double ciemarks[] = new double[5];  
    int i;  
    double total = 0.0;  
    public double getmarks() {  
        System.out.println("\n Enter the Cie-marks: ");
```

```

        for (i=0; i<5; i++) {
            System.out.println((i+1) + "subject:");
            ciemarks[i] = sc.nextDouble();
            total = total + ciemarks[i];
        }
        return total;
    }
}

```

```

package sec;
import cie.*;
import java.util.Scanner;

```

```

public class external extends cie.student {
    Scanner sc = new Scanner(System.in);

```

```

    double seemarks[] = new double (System.in) [5];
    int i;

```

```

    double total;

```

```

    public double getmarks() {
        System.out.println("\n\t Enter the SEE marks : ");
        for (i=0; i<5; i++) {

```

```

            System.out.println("subject " + (i+1));
            seemarks[i] = sc.nextDouble();

```

```

            total = total + seemarks[i];
        }

```

```

        return total;
    }

```

```

}

```

```
import cie.*;  
import see.*;  
import java.util.Scanner;
```

```
class main {  
    public static void main (String args[]) {  
        Scanner aa = new Scanner(System.in);  
        int n;  
        System.out.println("Enter the Number of cie-students");  
        n = aa.nextInt();  
        cie.student s[] = new cie.student [n];  
        cie.internal cie[] = new cie.internal [n];  
        see.external e[] = new see.external [n];
```

```
        double total_ciemarks[] = new double [n];  
        double total_seemarks[] = new double [n];
```

```
        for (int i=0; i<n; i++) {  
            s[i] = new cie.student();  
            System.out.println("\n\n Enter the details of the  
                student" + (i+1) + " : ");  
            s[i].getdata();
```

```
            cie[i] = new cie.internal ();  
            total_cie_marks[i] = cie[i].getmarks();  
            e[i] = new see.external ();  
            total_see_marks[i] = e[i].getmarks();  
        }  
    }  
}
```

```

        for (int j=0; j<n; j++) {
            System.out.println("n<---" + s[j].name + "---->");
            System.out.println("t USN:>" + s[j].usn);
            System.out.println("t SEM:>" + s[j].sem);
            System.out.println("n Ciemarks:>" + total_ciemarks[j] +
                "t" + " SEemarks:>" + total_seemarks[j]);
            System.out.println("t ..... END .....");
        }
    }
}

```

```

C:\Users\cw\Desktop\00JLAB\Lab6>java main
Enter the Number of cie.students :>
1
*****

Enter the details of the student1:>
Usn:>
1bm19cs015
Name:>
amitkumar
Semester:>
3

Enter the cie-marks:
1 subject :
45
2 subject :
46
3 subject :
47
4 subject :
48
5 subject :
45

Enter the SEE marks:>
subject1
8
subject2
89
subject3
88
subject4
78
subject5
79

<-----amitkumar----->
USN:>1bm19cs015
SEM:>3

CIE_marks:>231.0      SEE_marks:>342.0

Total marks(cie+see)==> 402.0
<-----END----->

```