

Student.java

```
package C16;
```

```
public class Student {  
    public int usn;  
    public String name;  
    public int sem;  
}
```

Internals.java

```
package C16;
```

```
import java.util.*;
```

```
public class Internals {  
    public int Internals[] = new int[5];  
    Scanner input = new Scanner(System.in);  
    public void getDetail() {  
        System.out.println("Enter marks of C16:");  
        for (int j = 1; j <= 5; j++) {  
            System.out.println("Enter marks of course " + j);  
            Internals[j-1] = input.nextInt();  
        }  
    }  
}
```

externals.java

package see;

import java.util.Scanner;

import C16.*;

public class externals extends Student {

public int semester[] = new int[5];

Scanner in = new Scanner(System.in);

public void EnterDetails(int i) {

System.out.println("Student " + i);

System.out.println("Enter the id of student : \n");

usr = in.nextInt();

System.out.println("Enter the name of student : \n");

name = in.next();

System.out.println("Enter semester of student : \n");

sem = in.nextInt();

System.out.println("Enter marks of SEE : \n");

for(int j=0; j<5; j++) {

System.out.println("Enter marks of course " + (j+1));

semester[j] = in.nextInt();

}

}

}

Marks.java

```
package marks;
```

```
import c1e.*;
```

```
import sc1.*;
```

```
import java.util.*;
```

```
class marks {
```

```
    public static void main(String args[]) {
```

```
        int n;
```

```
        Scanner in = new Scanner(System.in);
```

```
        System.out.println("Enter the number of  
        students : ");
```

```
        n = in.nextInt();
```

```
        Internals[] cie = new Internals[n];
```

```
        externals[] sem = new externals[n];
```

```
        for (int i = 0; i < n; i++) {
```

```
            sem[i] = new externals();
```

```
            sem[i].EnterDetails(i+1);
```

```
            cie[i] = new Internals();
```

```
            cie[i].GetDetails();
```

```
        }
```

```
System.out.println("The marks and Details of  
Students Registered are:");
```

```
for (int j=0 ; j<n ; j++) {
```

```
    System.out.println("Student " + (j+1));
```

```
    System.out.println("USN:" + sum[j].usn);
```

```
    System.out.println("Name:" + sum[j].name);
```

```
    System.out.println("Semester:" + sum[j].sem);
```

```
    System.out.println("Final Marks : \n");
```

```
    for (int i=0 ; i<5 ; i++) {
```

```
        System.out.println("course " + (i+1) + "\n" +  
                             (sum[j].semester[i]) +  
                             (sum[j].internals[i]));
```

```
    }
```

```
    System.out.println();
```

```
}
```

```
}
```

```
}
```


Enter the number of students:

2

Student 1

Enter the usn of student:

123

Enter the name of student:

asd

Enter the semester of student:

2

Enter marks of SEE :

Enter marks of course 1

98

Enter marks of course 2

90

Enter marks of course 3

97

Enter marks of course 4

96

Enter marks of course 5

95

Enter marks of CIE :

Enter marks of course : 1

45

Enter marks of course : 2

46

Enter marks of course : 3

47

Enter marks of course : 4

47

Enter marks of course : 5

48

Student 2

Enter the usn of student:

Student 2

Enter the usn of student:

567

Enter the name of student:

ghj

Enter the semester of student:

3

Enter marks of SEE :

Enter marks of course 1

78

Enter marks of course 2

78

Enter marks of course 3

87

Enter marks of course 4

89

Enter marks of course 5

67

Enter marks of CIE :

Enter marks of course : 1

35

Enter marks of course : 2

36

Enter marks of course : 3

36

Enter marks of course : 4

38

Enter marks of course : 5

40

The Marks And Details of Students Registered are:

Student 1

USN: 123

Name: asd

The Marks And Details of Students Registered are:

Student 1

USN: 123

Name: asd

Semester: 2

Final Marks :

Course 1

94

Course 2

91

Course 3

95

Course 4

95

Course 5

95

Student 2

USN: 567

Name: ghj

Semester: 3

Final Marks :

Course 1

74

Course 2

75

Course 3

79

Course 4

82

Course 5

73