

Lab-6Student.java

```
Package CIE;
```

```
public class Student
```

```
{
```

```
    public static name;
```

```
    public String usn;
```

```
    public int Sem;
```

```
    public Student (String name, String usn, int Sem)
```

```
{
```

```
        this.name = name;
```

```
        this.usn = usn;
```

```
        this.Sem = Sem;
```

```
}
```

```
}
```

Externals.java

```
Package SBE;
```

```
import CIE.Student;
```

```
public class Externals extends Student
```

```
{
```

```
    public int [] SeeMarks;
```

```
    public Externals (String name, String usn, int Sem, int [] seeMarks)
```

```
{
```

```
        Super (name, usn, Sem);
```

```
        this.SeeMarks = SeeMarks;
```

```
}
```

```
}
```

Internals Java

Package CIB;

Public class Internals extends CIB, Student

{

Public int [] InternalsMarks;

Public Internals (String name, String usn, int sem,
int [] InternalsMarks)

{

Super (name, usn, sem);

this.InternalsMarks = InternalsMarks;

}

}

FinalMarks

import CIB.Student;

import CIB.Internals;

import SEB.Examines;

import java.util.Scanner;

Public class FinalMarks

{

public static void main (String [] args)

{

Scanner s1 = new Scanner (System.in);

System.out.println ("Enter no. of students");

int n = s1.nextInt();

String [] name = new String[n];

String [] usn = new String[n];

int [] Sem = new int[n][5];


```
int [][] SemMarks = new int [n] [5];
```

```
for (int i=0; i<n; i++) {
    System.out.println("Enter details for student " + (i+1) + ":");
    System.out.println("Name:");
    names[i] = Sl.next();
    System.out.println("USN:");
    usn[i] = Sl.next();
    System.out.println("SEM:");
    sem = Sc.nextInt();
    in[i] = new Internals(names[i], usn[i], sem);
    ex[i] = new Externals();
}
```

```
System.out.println("Enter 5 internal marks");
for (i=0; i<5; i++) {
    ex[i].marks[i] = Sc.nextInt();
}
```

```
for (int i=0; i<n; i++) {
    System.out.println("Details of Student " + (i+1) + ":");
    System.out.println("Name: " + in[i].name + " USN: " +
        in[i].usn + " Sem: " + in[i].sem);
```

```
System.out.println("External marks:");
```

```
for (int j=0; j<5; j++) {
    System.out.println("Subject " + (j+1) + ":");
    in[i].marks[j] = (marks[i][j] + " ");
```

```
System.out.println("external marks:");
```

```
for (int f=0; f<5; f++) {
    System.out.println("Subject " + (f+1) + " in " + in[i].name +
        " marks: " + ex[i].marks[f]); } }
```

Output

enter no of Students: 1

enter name of student 1: Nichi

enter USN of 1: 12345

enter sex of 1: 2

enter the internal marks of 5 subjects

45

34

43

28

48

enter external marks of student in 5 subjects

48

49

97

49

47

Details of Student 1:

Name: Nichi USN: 12345 Sex: 2

internal marks

Subject 1: 45 Subject 2: 34 Subject 3: 43

Subject 4: 28 Subject 5: 48

external marks

Subject 1: 48

Subject 2: 49

Subject 3: 97

Subject 4: 49

Subject 5: 47

Total marks

Subject 1: 93

Subject 2: 83

Subject 3: 90

Subject 4: 97

Subject 5: 97

30/12/20