

## Student.java

URBAN  
EDGE

```
package CIE;  
import java.util.Scanner;  
public class Student
```

```
protected String usn = new String();  
protected String name = new String();  
protected int sem;  
public void inputStudentDetails()
```

```
Scanner s = new Scanner(System.in);  
System.out.println("enter your name: Rani Ash  
warya. H S");  
System.out.println("enter your usn: 1bm22cs218")
```

```
System.out.println("enter usn");  
int usn = s.nextInt();  
System.out.println("enter your name");  
String name = s.next();  
System.out.println("enter the sem");  
int sem = s.nextInt();
```

```
}  
public void displayStudentDetails()
```

```
System.out.println("usn of this student: " + usn);  
System.out.println("name: " + name);  
System.out.println("sem: " + sem);
```

```
}
```

```
5
```

→ internal.java

```
import java.util.Scanner;  
package IIE;  
public class internal extends student  
{  
    protected int marks[] = new int[5];  
    public void input(IEmarks1)  
    {
```

```
        Scanner s = new Scanner(System.in);  
        System.out.println("Enter internal marks for  
        five subjects");  
        for (int j = 0; j < 5; j++)  
            Marks[j] = s.nextInt();  
    }
```

>

→ external.java

```
package see;  
import IIE.internal;  
import java.util.Scanner;  
public class external extends internal
```

```
protected int markt[] = new int[5];  
protected int finalMarks[] = new int[5];  
public void getexternal()
```

```
Scanner s = new Scanner(System.in);  
for (int i = 0; i < 5; i++)
```

System.out.println("Enter the external  
marks of course " + (i + 1));

```
mark[i] = s.readInt();
```

```
}  
public void call()
```

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

```
}  
finalMarks[i] = mark[i]/2 + super.works[i];
```

```
}  
public void displayFinal()
```

```
displayDetails();
```

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

```
System.out.println("course" + (i+1) + ":" +
```

```
finalMarks[i]);
```

```
>Main.java
```

```
import SEE.External;
```

```
class Main
```

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

~~int numStudents = 2;~~~~External finalMarks [] = new~~~~External [numStudents];~~~~for (int i=0; i<numStudents; i++)~~

```
final Marks[i] = new.Externals();
final Marks[i].inputStudentDetail();
System.out.println("Enter CIE marks");
final Marks[i].input(IEmarks);
System.out.println("Enter SEE marks");
final Marks[i].input(SPEmarks);

}
System.out.println("Displaying data: \n");
for(int i=0; i<numOfStudents; i++)
{
    final Marks[i].calculateFinalMarks();
    final Marks[i].displayFinalMarks();
}
```

Output

Rani Aishwarya

enter your name: Rani Aishwarya HS

enter your vsn: IBM22CS217

enter usn : IBM22CS217

enter your name: Rani Aishwarya

enter flusen: 3

enter cie marks

enter the internal marks of course 1

45

enter the internal marks of course 2

46

enter the internal marks of course 3

47

enter the internal marks of course 4

enter the internal marks of course  
99

enter see marks

enter the external marks of course,  
99

enter the external marks of course  
80

enter the external marks of course 3  
98

enter the external marks of course 4  
87

enter the external marks of course 5  
98

enter tsm: 18 marks 283

enter your name: SAKSHI

enter the sem: 3

enter cie marks

enter the internal marks of course 1

45

enter the internal marks of course 2

43

enter the internal marks of course 3

46

enter the internal marks of course 4

50

enter the internal marks of course 5

20 M

enter see marks

enter the external marks of course 1

98

enter the external marks of course 2

99

enter the external marks of courses

87

enter the external marks of courses

89

enter the external marks of courses

98

d displaying default;

~~usn: 1BM22CS212 name: Ramkishwarya~~

sem: 3

course 1: 94

course 2: 86

course 3: 96

course 4: 91

course 5: 98

~~usn: 1BM22CS223 name: Sakshi sem: 3~~

course 1: 94

course 2: 92

course 3: 89

course 4: 94

course 5: 89

~~USN  
sem: 3~~