OPENENDED PACKAGE

```java
package cie;


public class Internals {


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

}
package cie;


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

}
package see;
import cie.Internals;
public class External extends Internals {
public int external[]=new int[5];

}


import java.util.Scanner;


import cie.Student;
import see.External;
public class Marks {


public static void main(String[] args) {
int n;
Scanner sc=new Scanner(System.in);
```

```java
System.out.println("enter number of students");

n=sc.nextInt();

External student[]=new External[n];

Student details[]=new Student[n];

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

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

{

student[i]=new External();

details[i]=new Student();

System.out.println("Enter Student  usn and sem respectively");

details[i].usn=sc.nextInt();

details[i].sem=sc.nextInt();

System.out.println("Enter Internal marks of 5 subject in respective order");

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

{

student[i].internal[j]=sc.nextInt();

}

System.out.println("Enter external marks of 5 subject in respective order");

for(int k=0;k<5;k++)

{

student[i].external[k]=sc.nextInt();

}

}

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

{

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

final_marks[i][j]=student[i].internal[j]+(int)(student[i].external[j]/2);
```

```java
}

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

{

//System.out.println("Name: "+details[i].name);

System.out.println("USN: "+details[i].usn);

System.out.println("Sem: "+details[i].sem);

System.out.println("Marks of the student is");

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

{

System.out.println(final_marks[i][j]);

}

}

}

}
```

OUTPUT

```
enter number of students
2
Enter Student usn and sem respectively
220 3
Enter Internal marks of 5 subject in respective order
34
33
32
28
40
Enter external marks of 5 subject in respective order
45
67
87
98
78
Enter Student usn and sem respectively
221
3
```

```
Enter external marks of 5 subject in respective order
45
67
87
98
78
Enter Student usn and sem respectively
221
3
Enter Internal marks of 5 subject in respective order
30
28
34
40
43
Enter external marks of 5 subject in respective order
89
87
76
65
54
USN: 220
Sem: 3
Marks of the student is
56
66
75
77
79
USN: 221
Sem: 3
Marks of the student is
74
71
72
72
70
```