PACKAGE

```java
package CIE;
import java.util.*;
 public class Student{
 public  String usn;
 public    String name;
 public   int sem;Scanner sc=new Scanner(System.in);
 public void getdata(){
   System.out.println("Enter your USN:");usn=sc.next();
   System.out.println("Enter your Name:");name=sc.next();
   System.out.println("Enter the Semister:");sem=sc.nextInt();
 }
 }
package CIE;
import java.util.*;
public class Internals extends Student{
   public int[] marksCIE=new int[5];
   Scanner sc=new Scanner(System.in);
   public void getcie(){
      super.getdata();System.out.println("enter marks in Internal:");
      for(int i=0;i<5;i++)
      marksCIE[i]=sc.nextInt();
   }
}
package SEE;
import java.util.*;
import CIE.*;
public class scores //extends Student{
 { public int[] marksee=new int[5];
 Scanner sc=new Scanner(System.in);
```

```java
 public void getsee(){
 System.out.println("enter marks in External:");
   for(int i=0;i<5;i++)
   marksee[i]=sc.nextInt();
}
}
import CIE.*;
import java.util.*;
import SEE.*;
class demo{
   public static void main(String[] args)
   {
      int n;Scanner sc=new Scanner(System.in);
       System.out.println("Enter number of students:");
       n=sc.nextInt();
      Student[] stud=new Student[n];
      Internals[] im=new  Internals[n];
      int total[][]=new int[n][5];
      scores[] scr=new scores[n];int temp=0;
      for (int i=0;i<n;i++){
      im[i]=new Internals();
       scr[i]=new scores();
    }
      for(int j=0;j<n;j++)
      {
       im[j].getcie();
       scr[j].getsee();
       for (int i=0;i<5;i++){
       total[j][i]=im[j].marksCIE[i]+scr[j].marksee[i];
       System.out.println("marks in subject "+(i+1)+" by "+im[j].name+" is "+total[j][i]);
       }
```

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

    temp=temp+total[j][i];

    System.out.println("total marks by "+im[j].name+" is "+temp);temp=0;

    }


  }
}
```

OUTPUT:

```
50
50
50
50
50
enter marks in External:
50
50
50
50
50
marks in subject 1 by Shreehari is 100
marks in subject 2 by Shreehari is 100
marks in subject 3 by Shreehari is 100
marks in subject 4 by Shreehari is 100
marks in subject 5 by Shreehari is 100
total marks by Shreehari is 500
Enter your USN:
1BM19CS162
Enter your Name:
Shreshta
Enter the Semister:
3
enter marks in Internal:
50
50
50
50
50
enter marks in External:
50
50
50
50
50
marks in subject 1 by Shreshta is 100
marks in subject 2 by Shreshta is 100
marks in subject 3 by Shreshta is 100
marks in subject 4 by Shreshta is 100
marks in subject 5 by Shreshta is 100
total marks by Shreshta is 500

C:\Users\hp\Desktop\pac>
```