```
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);
```

```
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]);
     }
```

```
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:</pre>
```

```
Command Prompt
Microsoft Windows [Version 10.0.18362.175]
(c) 2019 Microsoft Corporation. All rights reserved.
  :\Users\hp>set path="C:\Program Files\Java\jdk1.8.0_261\bin"
  :\Users\hp>cd desktop
  :\Users\hp\Desktop>cd pac
 :\Users\hp\Desktop\pac>javac demo.java
 C:\Users\hp\Desktop\pac>java demo
Enter number of students:
Enter your USN:
1BM19CS162
Enter your Name:
 Subhas
Enter the Semister:
enter marks in Internal:
92
45
48
50
 enter marks in External:
 89
76
54
marks in subject 1 by Subhas is 159
marks in subject 2 by Subhas is 134
marks in subject 3 by Subhas is 124
marks in subject 4 by Subhas is 124
marks in subject 5 by Subhas is 103
marks in subject 5 by Subhas is 106
total marks by Subhas is 626
Enter your USN:
18M19CS153
Enter your Name:
Shreehari
Enter the Semister:
enter marks in Internal:
50
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:
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>_
```