

package > Student.java > Student > accept()

```
1  package CIE;
2  import java.util.Scanner;
3
4  public class Student
5  {
6      String name,usn;
7      int sem;
8      Scanner xx=new Scanner(System.in);
9      public void accept()
10     {
11         System.out.println("Enter name:");
12         name=xx.nextLine();
13         System.out.println("Enter usn:");
14         usn=xx.next();
15         System.out.println("Enter sem:");
16         sem=xx.nextInt();
17     }
18     public void display()
19     {
20         System.out.println("Name :"+name);
21         System.out.println("Usn :"+usn);
22         System.out.println("Sem :"+sem);
23     }
24 }
25
```

Externals.java

Internals.java X

TotalMarks.java

Student.java

package > Internals.java > Internals > ciem

```
1  package CIE;
2  import java.util.Scanner;
3  public class Internals extends CIE.Student
4  {
5      public int ciem[]=new int[5];
6      Scanner xx =new Scanner (System.in);
7      public void accept()
8      {
9          for(int i=0;i<5;i++)
10         {
11             System.out.println("Enter the cie marks of subject"+(i+1)+" out of 50");
12             {
13                 ciem[i]=xx.nextInt();
14             }
15         }
16     }
17
18
19 }
20
```

Externals.java × Internals.java TotalMarks.java Student.java

package > Externals.java > Externals > accept()

```
1 package SEE;
2 import CIE.*;
3 import java.util.Scanner;
4
5 public class Externals extends CIE.Student
6 {
7     public int seem[]=new int[5];
8     Scanner xx =new Scanner (System.in);
9     public void accept()
10    {
11        for(int i=0;i<5;i++)
12        {
13            System.out.println("Enter the see marks of subject"+(i+1)+" out of 100");
14            {
15                seem[i]=xx.nextInt();
16            }
17        }
18    }
19
20 }
```

package > TotalMarks.java > TotalMarks

```

1  import CIE.*;
2  import SEE.*;
3  import java.util.*;
4
5  class TotalMarks
6  {
7      Run | Debug
8      public static void main(String sss[])
9      {
10         int i,j,n;
11         int total[]=new int[5];
12         Scanner xx=new Scanner(System.in);
13         System.out.println("Enter the number of students");
14         n=xx.nextInt();
15         CIE.Student s[]=new CIE.Student[n];
16         CIE.Internals ci[]= new CIE.Internals[n];
17         SEE.Externals se[]=new SEE.Externals[n];
18         for(i=0;i<n;i++)
19         {
20             System.out.println("ENTER STUDENT"+(i+1)+" DETAILS");
21             s[i]=new CIE.Student();
22             s[i].accept();
23             ci[i]=new CIE.Internals();
24             ci[i].accept();
25             se[i]=new SEE.Externals();
26             se[i].accept();
27         }
28         for(i=0;i<n;i++)
29         {
30             System.out.println("DETAILS OF STUDENT "+(i+1));
31             s[i].display();
32             for(j=0;j<5;j++)
33             {
34                 total[j]=ci[i].ciem[j]+(se[i].seem[j]/2);
35                 System.out.println("Total marks in subject"+(j+1)+" is "+total[j]);
36             }
37         }
38     }

```

```
C:\Users\akki\Desktop\java files\package>java TotalMarks
Enter the number of students
1
ENTER STUDENT1 DETAILS
Enter name:
Rashmi Singh

C:\Users\akki\Desktop\java files\package>javac Student.java

C:\Users\akki\Desktop\java files\package>javac Internals.java

C:\Users\akki\Desktop\java files\package>javac Externals.java

C:\Users\akki\Desktop\java files\package>javac TotalMarks.java

C:\Users\akki\Desktop\java files\package>java TotalMarks
Enter the number of students
1
ENTER STUDENT1 DETAILS
Enter name:
Rashmi Singh
Enter usn:
1BM19CS293
Enter sem:
2
Enter the cie marks of subject1 out of 50
34
Enter the cie marks of subject2 out of 50
45
Enter the cie marks of subject3 out of 50
42
Enter the cie marks of subject4 out of 50
38
Enter the cie marks of subject5 out of 50
39
Enter the see marks of subject1 out of 100
78
Enter the see marks of subject2 out of 100
76
Enter the see marks of subject3 out of 100
88
Enter the see marks of subject4 out of 100
80
```



```
C:\Users\akki\Desktop\java files\package>javac Externals.java
```

```
C:\Users\akki\Desktop\java files\package>javac TotalMarks.java
```

```
C:\Users\akki\Desktop\java files\package>java TotalMarks
```

```
Enter the number of students
```

```
1
```

```
ENTER STUDENT1 DETAILS
```

```
Enter name:
```

```
Rashmi Singh
```

```
Enter usn:
```

```
1BM19CS293
```

```
Enter sem:
```

```
2
```

```
Enter the cie marks of subject1 out of 50
```

```
34
```

```
Enter the cie marks of subject2 out of 50
```

```
45
```

```
Enter the cie marks of subject3 out of 50
```

```
42
```

```
Enter the cie marks of subject4 out of 50
```

```
38
```

```
Enter the cie marks of subject5 out of 50
```

```
39
```

```
Enter the see marks of subject1 out of 100
```

```
78
```

```
Enter the see marks of subject2 out of 100
```

```
76
```

```
Enter the see marks of subject3 out of 100
```

```
88
```

```
Enter the see marks of subject4 out of 100
```

```
80
```

```
Enter the see marks of subject5 out of 100
```

```
72
```

```
DETAILS OF STUDENT 1
```

```
Name :Rashmi Singh
```

```
Usn :1BM19CS293
```

```
Sem :2
```

```
Total marks in subject1 is 73
```

```
Total marks in subject2 is 83
```

```
Total marks in subject3 is 86
```

```
Total marks in subject4 is 78
```

```
Total marks in subject5 is 75
```