

File Edit Selection View Go Run Terminal Help Internals.java - java - Visual Studio Code

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

Package > Internals.java > Internals > accept()

```
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));
12            ciem[i]=xx.nextInt();
13        }
14    }
15 }
16
17
18
19 }
```

Ln 12, Col 16 Spaces: 4 UTF-8 CRLF Java JavaSE-15

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File Edit Selection View Go Run Terminal Help Student.java - java - Visual Studio Code

Internals.java Student.java X Externals.java TotalMarks.java

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 }
```

Ln 12, Col 30 Spaces: 4 UTF-8 CRLF Java JavaSE-15

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Visual Studio Code interface showing a Java file named `Externals.java` in the `Externals` package. The code defines a class `Externals` extending `Student`, with a `seem` array and a `accept()` method that prompts for marks.

```
1 package SEE;
2 import CIE.*;
3 import java.util.Scanner;
4
5 public class Externals extends 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));
14            {
15                seem[i]=xx.nextInt();
16            }
17        }
18    }
19
20 }
```

The status bar at the bottom indicates the current position is Line 13, Column 80, with 4 spaces, UTF-8 encoding, CRLF line endings, and Java language. The taskbar shows the system time as 22:12 on 24-11-2020.

File Edit Selection View Go Run Terminal Help

TotalMarks.java - java - Visual Studio Code

Internals.java Student.java Externals.java TotalMarks.java X

Package > TotalMarks.java > TotalMarks > main(String[])

```
7 public static void main(String sss[])
8 {
9     int i,j,n;
10    int total[]=new int[5];
11    Scanner xx=new Scanner(System.in);
12    System.out.println("Enter the number of students");
13    n=xx.nextInt();
14    CIE.Student s[]=new CIE.Student[n];
15    CIE.Internals ci[]= new CIE.Internals[n];
16    SEE.Externals se[]=new SEE.Externals[n];
17    for(i=0;i<n;i++)
18    {
19        System.out.println("ENTER STUDENT"+(i+1)+" DETAILS");
20        s[i]=new CIE.Student();
21        s[i].accept();
22        ci[i]=new CIE.Internals();
23        ci[i].accept();
24        se[i]=new SEE.Externals();
25        se[i].accept();
26    }
27    for(i=0;i<n;i++)
28    {
29        System.out.println("DETAILS OF STUDENT "+(i+1));
30        s[i].display();
31        for(j=0;j<5;j++)
32        {
33            total[j]=ci[i].ciem[j]+(se[i].seem[j]/2);
34            System.out.println("Total marks in subject"+(j+1)+" is "+total[j]);
35        }
36    }
37 }
38
39 }
40
41 ;
```

Ln 35, Col 16 Spaces: 4 UTF-8 CRLF Java JavaSE-15

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Search

81

22:12 24-11-2020 16

Visual Studio Code interface showing a Java program execution in the Terminal.

Terminal Output:

```
PS C:\Users\Harshita\Desktop\java\Package> javac Student.java
PS C:\Users\Harshita\Desktop\java\Package> javac Internals.java
PS C:\Users\Harshita\Desktop\java\Package> javac Externals.java
PS C:\Users\Harshita\Desktop\java\Package> javac TotalMarks.java
PS C:\Users\Harshita\Desktop\java\Package> java TotalMarks
Enter the number of students
1
ENTER STUDENT1 DETAILS
Enter name:
Harshita Jaka
Enter usn:
1BM19CS058
Enter sem:
3
Enter the cie marks of subject1
32
Enter the cie marks of subject2
34
Enter the cie marks of subject3
39
Enter the cie marks of subject4
30
Enter the cie marks of subject5
33
Enter the see marks of subject1
88
Enter the see marks of subject2
82
Enter the see marks of subject3
90
Enter the see marks of subject4
86
Enter the see marks of subject5
80
DETAILS OF STUDENT 1
Name :Harshita Jaka
Usn :1BM19CS058
Sem :3
Total marks in subject1 is 76
Total marks in subject2 is 75
Total marks in subject3 is 84
Total marks in subject4 is 73
Total marks in subject5 is 73
PS C:\Users\Harshita\Desktop\java\Package>
```

Taskbar: Windows taskbar at the bottom shows the Start button, Search bar, and several application icons including File Explorer, Mail, and Visual Studio Code. The system tray on the right displays the date and time as 22:29 on 24-11-2020.