

8)

CIE

```
package internal;
import java.util.*;
CIE;
```

Internal.java

```
Package CIE;
import java.util.*;
Public class internal extends CIE.Student {
    Scanner sc = new Scanner (System.in);
    Public int ciem[] = new int [5];

    Public void accept() {
        int i;
        for (i=0; i<5; i++)
        {
            S.o.p('Enter CIE marks of subject " + (i+1)');
            Ciem[i] = SC.nextint();
        }
    }
}
```

Student.java

```
Package CIE;
import java.util.*;
Public class student {
    Scanner SC = new Scanner (System.in);
    Public String USN, Name;
    Public int sem;

    Public void accept() {
        System.out.println("Enter USN, Name and current semester");
        USN = SC.nextLine();
        Name = SC.nextLine();
        Sem = SC.nextLine();
    }
}
```

```

public void display() {
    s.o.p ("Student Details");
    s.o.p ("Name: " + name);
    s.o.p ("USN: " + usn);
    s.o.p ("Semester: " + sem);
}
}

```

Externals.java

```

package SEE;
import CIE.*;
import java.util.*;
public class externals extends CIE.student {
    Scanner sc = new Scanner (System.in);
    public int scem[] = new int [5];

    public void accept () {
        for (int i=0; i<5; i++) {
            s.o.p ("Enter SEE marks of subject " + (i+1));
            scem[i] = sc.nextInt();
        }
    }
}

```

Packages.java

```

import CIE.*;
import SEE.*;
import java.util.*;
class total {
    public static void main (String args[]) {
        int i, j, n;
        Scanner sc = new Scanner (System.in);
        int total[] = new int [5];
        s.o.p ("Enter number of students:");
        n = sc.nextInt();
    }
}

```

```

CIE . Student s[n] = new CIE . Student[n];
CIE . internal ci[n] = new CIE . internal[n];
SEE . external se[n] = new SEE . external[n];

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

```

```

{

```

```

    s.o.p ("Enter student " + (i+1) + " details");

```

```

    s[i] = new CIE . Student();

```

```

    s[i].accept();

```

```

    ci[i] = new CIE . internal();

```

```

    ci[i].accept();

```

```

    se[i] = new SEE . external();

```

```

    se[i].accept();

```

```

}

```

```

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

```

```

{
    s.o.p ("Enter Details of student " + (i+1));

```

```

    s[i].display();

```

```

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

```

```

    {

```

```

        total[j] = ci[i].ciem[j] + se[i].seem[j];

```

```

        s.o.p ("Total marks in subject " + (j+1) + " : " + total[j]);

```

```

    }

```

```

    s.o.p ();

```

```

}

```

```

}

```

```

}

```

```
Command Prompt
Enter USN, Name and Current semester:
1bm21cs044
chinmay
3
Enter CIE marks of subject 1
38
Enter CIE marks of subject 2
37
Enter CIE marks of subject 3
39
Enter CIE marks of subject 4
40
Enter CIE marks of subject 5
39
Enter SEE marks of subject 1
99
Enter SEE marks of subject 2
98
Enter SEE marks of subject 3
97
Enter SEE marks of subject 4
96
Enter SEE marks of subject 5
99

Details of student 1
Student Details
Name: dhanush
USN: 1bm21cs052
Semester: 3
Total marks in subject 1: 122
Total marks in subject 2: 112
Total marks in subject 3: 110
Total marks in subject 4: 112
Total marks in subject 5: 109

Details of student 2
Student Details
Name: chinmay
USN: 1bm21cs044
Semester: 3
Total marks in subject 1: 137
Total marks in subject 2: 135
Total marks in subject 3: 136
Total marks in subject 4: 136
Total marks in subject 5: 138

C:\Users\student\Desktop\1bm21cs052>
```

52

Search 1bm21cs052

Date modified	Type	Size
13/01/2023 06:48	File folder	
13/01/2023 06:48	File folder	
09/12/2022 15:26	CLASS File	2 KB
09/12/2022 15:26	Java Source File	2 KB
16/12/2022 15:44	CLASS File	2 KB
16/12/2022 15:44	Java Source File	4 KB
30/12/2022 09:23	CLASS File	2 KB
30/12/2022 09:42	Java Source File	4 KB
16/12/2022 15:44	CLASS File	2 KB
09/12/2022 12:33	Java Source File	3 KB
09/12/2022 15:26	CLASS File	1 KB
16/12/2022 15:44	CLASS File	2 KB
30/12/2022 09:23	CLASS File	1 KB
13/01/2023 06:24	Java Source File	2 KB
09/12/2022 15:26	CLASS File	1 KB
16/12/2022 15:44	CLASS File	2 KB
09/12/2022 15:26	CLASS File	1 KB
30/12/2022 09:41	CLASS File	1 KB
30/12/2022 09:23	CLASS File	2 KB
30/12/2022 09:41	Java Source File	1 KB
13/01/2023 06:53	CLASS File	2 KB

```
26 Dir(s) 354,899,709,952 bytes free
C:\Users\student>cd Desktop
C:\Users\student\Desktop>cd 1bm21cs052
C:\Users\student\Desktop\1bm21cs052>javac packages.java
C:\Users\student\Desktop\1bm21cs052>java total
Enter number of students:
2
Enter student 1 details
Enter USN, Name and Current semester:
1bm21cs052
dhanush
3
Enter CIE marks of subject 1
33
Enter CIE marks of subject 2
34
Enter CIE marks of subject 3
32
Enter CIE marks of subject 4
23
Enter CIE marks of subject 5
32
Enter SEE marks of subject 1
99
Enter SEE marks of subject 2
78
Enter SEE marks of subject 3
78
Enter SEE marks of subject 4
89
Enter SEE marks of subject 5
77
Enter student 2 details
Enter USN, Name and Current semester:
1bm21cs044
chinnay
3
Enter CIE marks of subject 1
30
Enter CIE marks of subject 2
37
Enter CIE marks of subject 3
39
Enter CIE marks of subject 4
40
Enter CIE marks of subject 5
39
Enter SEE marks of subject 1
99
Enter SEE marks of subject 2
98
```

52

Search 1bm21cs052

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