

23/01/24

student.java

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package C18;

import java.util.Scanner;

public class student {

protected String usn = new String();

protected String name = new String();

protected int dem = 0;

}

public void displayStudentDetails() {

System.out.println("USN of student: " + usn);

System.out.println("Name: " + name);

System.out.println("Dem: " + dem);

}

// "USN of student" + usn + "Name" + name + "Dem" + dem)

internal.java

import java.util.Scanner;

package C18;

public class internal extends student {

protected int marks[] = new int[5];

public void inputC18marks() {

Scanner s = new Scanner(System.in);

System.out.println("Enter internal marks for

five subjects");

for (int i = 0; i < 5; i++) {

marks[i] = nextInt();

}

}

}

Externals.jawa

```

package S6;
import CIO.internals;
import java.util.Scanner;
public class External extends Internals {
protected int marks();
protected int finalMarks();
public External() {
    marks = new int[5];
    finalMarks = new int[5];
}
public void InputS6() {
    Scanner s = new Scanner(System.in);
    for(int i=0; i<5; i++) {
        System.out.print("Subject " + (i+1) + " marks: ");
        marks[i] = s.nextInt();
    }
}
public void calculateFinalMarks() {
    for(int i=0; i<5; i++) {
        finalMarks[i] = marks[i]/2 + super.marks[i];
    }
}
public void displayFinalMarks() {
    displayStudentDetails();
    for(int i=0; i<5; i++) {
        System.out.println("Subject " + (i+1) + " : "
        + finalMarks[i]);
    }
}
}

```

Main.java

Main.java

```
import java.util.Scanner;
```

```
class Main {
```

```
    public static void main (String args[]) {
```

```
        int numofStudents = 2;
```

```
        External finalMarks[] = new External [numofStudents];
```

```
        for (int i = 0; i < numofStudents; i++) {
```

```
            finalMarks[i] = new External();
```

```
            finalMarks[i].inputStudentDetails();
```

```
            System.out.print("Enter CIE marks ");
```

```
            finalMarks[i].inputCIEmarks();
```

```
            System.out.print("Enter SEM marks ");
```

```
            finalMarks[i].inputSEMmarks();
```

```
        System.out.print("Displaying data : ");
```

```
        for (int i = 0; i < numofStudents; i++) {
```

```
            finalMarks[i].calculateFinalMarks();
```

```
            finalMarks[i].displayFinalMarks();
```

```
}
```

Student.java

```
public void inputStudentDetails () {
```

```
    Scanner s = new Scanner (System.in);
```

```
    System.out.print("Enter CIE ");
```

```
    int cie = s.nextInt();
```

```
    System.out.print("Enter name ");
```

```
    char name = s.next();
```

```
    System.out.print("Enter the sem ");
```

```
    int sem = s.nextInt();
```

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3

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enter internal marks of course 2

46

enter internal marks of course 3

47

enter internal marks of course 4

48

enter internal marks of course 5

49

enter the marks

enter external marks of course 1

99

enter external marks of course 2

88

enter external marks of course 3

98

enter external marks of course 4

87

enter external marks of course 5

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87

Enter external marks of course 4

89

~~center external marks of course~~

98

displaying details:

name - Rechika usn: 1BMA2CS226 Sem: 3

course 1: 94

course 2: 86

course 3: 96

course 4: 91

course 5: 98

name: Ravi usn: 1BMA2CS216 Sem: 3

course 1: 94

course 2: 92

course 3: 89

course 4: 94

course 5: 89

~~CSE
23-01-21~~