

12/11/2020.

LAB 6.

①

/* Packages ; In CIE, SEE ; classes
Internal & External */

Steps involved.

* create a package CIE which
include Internal, Student

* class Internal contains fn called
quiz & disp & setd1.

* create a package SEE which
include External which extends
Student.

②

package CIE;

import java.util.Scanner;

public class StudentG {

Scanner sc = new Scanner(System.in);

public String usn, name, sem;

public void personal() {

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

name = sc.next();

//_

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system.out.println("USN:");
    usn = sc.next();
system.out.print("sem:");
    sem = sc.next();
}
)

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(ii) package CIE;
import java.util.Scanner;

public class Internal {
    Scanner sc = new Scanner(System.in);
    public double[] intmarks;
    public double[] quiz;
    public double count = 0;

    public void setd1() {
        intmarks = new double[5];
        quiz = new double[5];
        for (int i = 0; i < 5; i++) {
            system.out.println("SUBJECT " + (i + 1) + ":");
            system.out.println("CIE:");
            intmarks[i] = sc.nextDouble();
            system.out.print("          QUIZ:");
            quiz[i] = sc.nextDouble();
        }
    }

    public void disp1() {
        for (int i = 0; i < 5; i++) {
            count += (intmarks[i] + quiz[i]);
        }
    }
}

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system.out.println("INTERNALS : "+count1
                    " / 250");
}
}

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(iii) package see;
import CIE.*;
import java.util.Scanner;

public class External extends CIE.Internal {
    public double[] see;
    public double[] total;
    public double result=0;
    public double count2=0;
    public double add=0;
    Scanner sc : new Scanner (System.in);

    public void setd2() {
        system.out.println("... EXTERNALS MARKS...");
        see = new double[5];
        for (int i=0; i<5; i++) {
            system.out.println("runsect: "+ (i+1) + ":");
            see[i] = sc.nextInt();
        }
    }

    public void disp2() {
        for (int i=0; i<5; i++) {
            count2 += see[i]/2;
        }
        system.out.println("EXTERNALS : "+ count2
                            " / 250");
    }
}

```



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(10) . import CIE.*;
    import SEC.*;

import java.util.Scanner;

public class totalmarks {
    public static void main(String ssc[]) {
        Scanner sc = new Scanner(System.in);
        System.out.println("No. of students");
        int n = sc.nextInt();

        CIE.student6 s[] = new CIE.student6[n];
        CIE.internals in[] = new CIE.internals[n];
        sec.Externals ex[] = new sec.Externals[n];

        for (int i = 0; i < n; i++) {
            System.out.println("Enter student : " + (i + 1));
            s[i] = new student6();
            s[i].personal();
            in[i] = new internals();
            in[i].setd1();
            ex[i] = new Externals();
            ex[i].setd1();
        }

        System.out.println("Enter total marks of all student");

        for (int i = 0; i < n; i++) {
            System.out.println("Total : " + (in[i].count1 + ex[i].count2));

            for (int j = 0; j < 5; j++) {
                System.out.println("Subject : " + (j + 1) + " : " +
                    (in[i].intmarks[j] + ex[i].sec[j] + in[i].quiz[j]));
            }
        }
    }
}

```