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StudentSpreadSheet.java x
1 import java.util.Scanner;
2
3 public class StudentSpreadSheet {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         //Header of the student marksheet
7         System.out.println("\n\t\t\t\t\tDedan Kimathi University of Technology");
8         System.out.println("\t\t\t\t\tSchool of Computer Science and IT");
9         System.out.println("\t\t\t\t\tDepartment of Computer Science");
10        System.out.println("\t\t\t\t\tAcademic Year: 2024/2025");
11        System.out.println("\t\t\t\t\tSTUDENT MARKSHEET (SECOND YEAR RESULTS)\n");
12
13        //student 1 details
14        String regNo, fullName, status;
15        char grade;
16
17        double unit1, unit2, unit3, unit4, unit5, unit6, unit7;
18        double total, average;
19        //Input student details
20        System.out.println("----- Student 1 Details:\n");
21        System.out.print("Enter Registration Number: ");
22        regNo = scanner.nextLine();
23        System.out.print("Enter Full Name: ");
24        fullName = scanner.nextLine();
25
26        //student scores in the seven units
27        System.out.print("\nEnter score for CCS2207: ");
28        unit1 = scanner.nextDouble();
29        System.out.print("Enter score for SMA2215: ");
30        unit2 = scanner.nextDouble();
31        System.out.print("Enter score for CCS2208: ");
32        unit3 = scanner.nextDouble();
33        System.out.print("Enter score for CCS2209: ");
34        unit4 = scanner.nextDouble();
35        System.out.print("Enter score for CCS2210: ");
36        unit5 = scanner.nextDouble();
37        System.out.print("Enter score for CCS2211: ");
38        unit6 = scanner.nextDouble();
39        System.out.print("Enter score for IGS2202: ");
40        unit7 = scanner.nextDouble();
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//total and average
total = unit1 + unit2 + unit3 + unit4 + unit5 + unit6 + unit7;
average = total / 7;

//student 2 details
scanner.nextLine();
System.out.println("\n----- Student 2 Details:\n");
String regNo2, fullName2, status2;
double unit1_2, unit2_2, unit3_2, unit4_2, unit5_2, unit6_2, unit7_2;
double total2, average2;

//Input student 2 details
System.out.print("Enter Registration Number: ");
regNo2 = scanner.nextLine();
System.out.print("Enter Full Name: ");
fullName2 = scanner.nextLine();
//student 2 scores in the seven units
System.out.print("\nEnter score for CCS2207: ");
unit1_2 = scanner.nextDouble();
System.out.print("Enter score for SMA2215: ");
unit2_2 = scanner.nextDouble();
System.out.print("Enter score for CCS2208: ");
unit3_2 = scanner.nextDouble();
System.out.print("Enter score for CCS2209: ");
unit4_2 = scanner.nextDouble();
System.out.print("Enter score for CCS2210: ");
unit5_2 = scanner.nextDouble();
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System.out.print("Enter score for CCS2210: ");
unit5_2 = scanner.nextDouble();
System.out.print("Enter score for CCS2211: ");
unit6_2 = scanner.nextDouble();
System.out.print("Enter score for IGS2202: ");
unit7_2 = scanner.nextDouble();
//total and average for student 2
total2 = unit1_2 + unit2_2 + unit3_2 + unit4_2 + unit5_2 + unit6_2 + unit7_2;
average2 = total2 / 7;

//student 3 details
scanner.nextLine();
System.out.println("\n----- Student 3 Details:\n");
String regNo3, fullName3, status3;
double unit1_3, unit2_3, unit3_3, unit4_3, unit5_3, unit6_3, unit7_3;
double total3, average3;

System.out.print("Enter Registration Number: ");
regNo3 = scanner.nextLine();
System.out.print("Enter Full Name: ");
fullName3 = scanner.nextLine();
//student 3 scores in the seven units
System.out.print("\nEnter score for CCS2207: ");
unit1_3 = scanner.nextDouble();
System.out.print("Enter score for SMA2215: ");
unit2_3 = scanner.nextDouble();
System.out.print("Enter score for CCS2208: ");
unit3_3 = scanner.nextDouble();

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unit3_3 = scanner.nextDouble();
System.out.print("Enter score for CCS2209: ");
unit4_3 = scanner.nextDouble();
System.out.print("Enter score for CCS2210: ");
unit5_3 = scanner.nextDouble();
System.out.print("Enter score for CCS2211: ");
unit6_3 = scanner.nextDouble();
System.out.print("Enter score for IGS2202: ");
unit7_3 = scanner.nextDouble();
//total and average for student 3
total3 = unit1_3 + unit2_3 + unit3_3 + unit4_3 + unit5_3 + unit6_3 + unit7_3;
average3 = total3 / 7;

//student 4 details
scanner.nextLine();
System.out.println("\n----- Student 4 Details:\n");
String regNo4, fullName4, status4;
double unit1_4, unit2_4, unit3_4, unit4_4, unit5_4, unit6_4, unit7_4;
double total4, average4;

System.out.print("Enter Registration Number: ");
regNo4 = scanner.nextLine();
System.out.print("Enter Full Name: ");
fullName4 = scanner.nextLine();
//student 4 scores in the seven units
System.out.print("\nEnter score for CCS2207: ");
unit1_4 = scanner.nextDouble();
System.out.print("Enter score for SMA2215: ");
unit2_4 = scanner.nextDouble();

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System.out.print("Enter score for SMA2215: ");
unit2_4 = scanner.nextDouble();
System.out.print("Enter score for CCS2208: ");
unit3_4 = scanner.nextDouble();
System.out.print("Enter score for CCS2209: ");
unit4_4 = scanner.nextDouble();
System.out.print("Enter score for CCS2210: ");
unit5_4 = scanner.nextDouble();
System.out.print("Enter score for CCS2211: ");
unit6_4 = scanner.nextDouble();
System.out.print("Enter score for IGS2202: ");
unit7_4 = scanner.nextDouble();
//total and average for student 4
total4 = unit1_4 + unit2_4 + unit3_4 + unit4_4 + unit5_4 + unit6_4 + unit7_4;
average4 = total4 / 7;

//student 5 details
scanner.nextLine();
System.out.println("\n----- Student 5 Details:\n");
String regNo5, fullName5, status5;
double unit1_5, unit2_5, unit3_5, unit4_5, unit5_5, unit6_5, unit7_5;
double total5, average5;

System.out.print("Enter Registration Number: ");
regNo5 = scanner.nextLine();
System.out.print("Enter Full Name: ");
fullName5 = scanner.nextLine();

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//student 5 scores in the seven units
System.out.print("\nEnter score for CCS2207: ");
unit1_5 = scanner.nextDouble();
System.out.print("Enter score for SMA2215: ");
unit2_5 = scanner.nextDouble();
System.out.print("Enter score for CCS2208: ");
unit3_5 = scanner.nextDouble();
System.out.print("Enter score for CCS2209: ");
unit4_5 = scanner.nextDouble();
System.out.print("Enter score for CCS2210: ");
unit5_5 = scanner.nextDouble();
System.out.print("Enter score for CCS2211: ");
unit6_5 = scanner.nextDouble();
System.out.print("Enter score for IGS2202: ");
unit7_5 = scanner.nextDouble();
//total and average for student 5
total5 = unit1_5 + unit2_5 + unit3_5 + unit4_5 + unit5_5 + unit6_5 + unit7_5;
average5 = total5 / 7;

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//Student Score Sheet
System.out.println("\nStudent Score Sheet:\n");
System.out.println("-----\n");
System.out.println("Reg No.\t\tFull Name\t\tCCS2207\tSMA2215\tCCS2208\tCCS2209\tCCS2210\tCCS2211\tIGS2202\tTotal\tAverage\tStatus\tGrade\n");
System.out.println("-----\n");
System.out.printf("%s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo, fullName, unit1, unit2, unit3, unit4, unit5, unit6, unit7, total,
System.out.printf("%s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo2, fullName2, unit1_2, unit2_2, unit3_2, unit4_2, unit5_2, unit6_2,
System.out.printf("%s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo3, fullName3, unit1_3, unit2_3, unit3_3, unit4_3, unit5_3, unit6_3,
System.out.printf("%s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo4, fullName4, unit1_4, unit2_4, unit3_4, unit4_4, unit5_4, unit6_4,
System.out.printf("%s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo5, fullName5, unit1_5, unit2_5, unit3_5, unit4_5, unit5_5, unit6_5,
System.out.println("-----\n\n");
scanner.close();
}
}

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167      "\nStudent Score Sheet:\n");
168      "-----\n");
169      "Reg No.\t\tFull Name\t\tCCS2207\tSMA2215\tCCS2208\tCCS2209\tCCS2210\tCCS2211\tIGS2202\tTotal\tAverage\tStatus\tGrade\n");
170      "-----\n");
171      %s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo, fullName, unit1, unit2, unit3, unit4, unit5, unit6, unit7, total, average);
172      %s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo2, fullName2, unit1_2, unit2_2, unit3_2, unit4_2, unit5_2, unit6_2, unit7_2, total2, average2);
173      %s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo3, fullName3, unit1_3, unit2_3, unit3_3, unit4_3, unit5_3, unit6_3, unit7_3, total3, average3);
174      %s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo4, fullName4, unit1_4, unit2_4, unit3_4, unit4_4, unit5_4, unit6_4, unit7_4, total4, average4);
175      %s\t%s\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\t%.2f\n", regNo5, fullName5, unit1_5, unit2_5, unit3_5, unit4_5, unit5_5, unit6_5, unit7_5, total5, average5);
176      "-----\n\n");
177
178
179

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