

C026-01-0747/2024

C026-01-0761/2024

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StudentMarksheet.java x
1  import java.util.Scanner;
2
3  public class StudentMarksheet {
4      public static void main(String[] args) {
5          // Create Scanner object for input
6          Scanner scanner = new Scanner(System.in);
7
8          // Print Title Block
9          System.out.println("=====");
10         System.out.println("    Dedan Kimathi University of Technology");
11         System.out.println("    School of Computer Science and IT");
12         System.out.println("    Department of Computer Science");
13         System.out.println("    Academic Year: 2024/2025");
14         System.out.println("    STUDENT MARKSHEET (SECOND YEAR RESULTS)");
15         System.out.println("=====");
16         System.out.println();
17
18         // ===== STUDENT 1 =====
19         System.out.println("Enter details for Student 1:");
20         System.out.println("Registration Number: ");
21         String regNo1 = scanner.nextLine();
22
23         System.out.print("Full Name: ");
24         String name1 = scanner.nextLine();
25
26         System.out.print("CCS 2211 marks: ");
27         int ccs2211_1 = scanner.nextInt();
28
29         System.out.print("CCS 2212 marks: ");
30         int ccs2212_1 = scanner.nextInt();
31
32         System.out.print("CCS 2213 marks: ");
33         int ccs2213_1 = scanner.nextInt();
34
35         System.out.print("CCS 2214 marks: ");
36         int ccs2214_1 = scanner.nextInt();
37
38         System.out.print("CCS 2215 marks: ");
39         int ccs2215_1 = scanner.nextInt();
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40
41     System.out.print("CCS 2216 marks: ");
42     int ccs2216_1 = scanner.nextInt();
43
44     System.out.print("CCS 2217 marks: ");
45     int ccs2217_1 = scanner.nextInt();
46     scanner.nextLine(); // Clear buffer
47
48     int total1 = ccs2211_1 + ccs2212_1 + ccs2213_1 + ccs2214_1 + ccs2215_1 + ccs2216_1 + ccs2217_1;
49     double average1 = total1 / 7.0;
50
51     System.out.println();
52
53     // ===== STUDENT 2 =====
54     System.out.println("Enter details for Student 2:");
55     System.out.print("Registration Number: ");
56     String regNo2 = scanner.nextLine();
57
58     System.out.print("Full Name: ");
59     String name2 = scanner.nextLine();
60
61     System.out.print("CCS 2211 marks: ");
62     int ccs2211_2 = scanner.nextInt();
63
64     System.out.print("CCS 2212 marks: ");
65     int ccs2212_2 = scanner.nextInt();
66
67     System.out.print("CCS 2213 marks: ");
68     int ccs2213_2 = scanner.nextInt();
69
70     System.out.print("CCS 2214 marks: ");
71     int ccs2214_2 = scanner.nextInt();
72
73     System.out.print("CCS 2215 marks: ");
74     int ccs2215_2 = scanner.nextInt();
75
76     System.out.print("CCS 2216 marks: ");
77     int ccs2216_2 = scanner.nextInt();
78

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79      System.out.print("CCS 2217 marks: ");
80      int ccs2217_2 = scanner.nextInt();
81      scanner.nextLine(); // Clear buffer
82
83      int total2 = ccs2211_2 + ccs2212_2 + ccs2213_2 + ccs2214_2 + ccs2215_2 + ccs2216_2 + ccs2217_2;
84      double average2 = total2 / 7.0;
85
86      System.out.println();
87
88      // ===== STUDENT 3 =====
89      System.out.println("Enter details for Student 3:");
90      System.out.print("Registration Number: ");
91      String regNo3 = scanner.nextLine();
92
93      System.out.print("Full Name: ");
94      String name3 = scanner.nextLine();
95
96      System.out.print("CCS 2211 marks: ");
97      int ccs2211_3 = scanner.nextInt();
98
99      System.out.print("CCS 2212 marks: ");
100     int ccs2212_3 = scanner.nextInt();
101
102     System.out.print("CCS 2213 marks: ");
103     int ccs2213_3 = scanner.nextInt();
104
105     System.out.print("CCS 2214 marks: ");
106     int ccs2214_3 = scanner.nextInt();
107
108     System.out.print("CCS 2215 marks: ");
109     int ccs2215_3 = scanner.nextInt();
110
111     System.out.print("CCS 2216 marks: ");
112     int ccs2216_3 = scanner.nextInt();
113
114     System.out.print("CCS 2217 marks: ");
115     int ccs2217_3 = scanner.nextInt();
116     scanner.nextLine(); // Clear buffer
117

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118     int total3 = ccs2211_3 + ccs2212_3 + ccs2213_3 + ccs2214_3 + ccs2215_3 + ccs2216_3 + ccs2217_3;
119     double average3 = total3 / 7.0;
120
121     System.out.println();
122
123     // ===== STUDENT 4 =====
124     System.out.println("Enter details for Student 4:");
125     System.out.print("Registration Number: ");
126     String regNo4 = scanner.nextLine();
127
128     System.out.print("Full Name: ");
129     String name4 = scanner.nextLine();
130
131     System.out.print("CCS 2211 marks: ");
132     int ccs2211_4 = scanner.nextInt();
133
134     System.out.print("CCS 2212 marks: ");
135     int ccs2212_4 = scanner.nextInt();
136
137     System.out.print("CCS 2213 marks: ");
138     int ccs2213_4 = scanner.nextInt();
139
140     System.out.print("CCS 2214 marks: ");
141     int ccs2214_4 = scanner.nextInt();
142
143     System.out.print("CCS 2215 marks: ");
144     int ccs2215_4 = scanner.nextInt();
145
146     System.out.print("CCS 2216 marks: ");
147     int ccs2216_4 = scanner.nextInt();
148
149     System.out.print("CCS 2217 marks: ");
150     int ccs2217_4 = scanner.nextInt();
151     scanner.nextLine(); // Clear buffer
152
153     int total4 = ccs2211_4 + ccs2212_4 + ccs2213_4 + ccs2214_4 + ccs2215_4 + ccs2216_4 + ccs2217_4;
154     double average4 = total4 / 7.0;

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155
156     System.out.println();
157
158     // ===== STUDENT 5 =====
159     System.out.println("Enter details for Student 5:");
160     System.out.print("Registration Number: ");
161     String regNo5 = scanner.nextLine();
162
163     System.out.print("Full Name: ");
164     String name5 = scanner.nextLine();
165
166     System.out.print("CCS 2211 marks: ");
167     int ccs2211_5 = scanner.nextInt();
168
169     System.out.print("CCS 2212 marks: ");
170     int ccs2212_5 = scanner.nextInt();
171
172     System.out.print("CCS 2213 marks: ");
173     int ccs2213_5 = scanner.nextInt();
174
175     System.out.print("CCS 2214 marks: ");
176     int ccs2214_5 = scanner.nextInt();
177
178     System.out.print("CCS 2215 marks: ");
179     int ccs2215_5 = scanner.nextInt();
180
181     System.out.print("CCS 2216 marks: ");
182     int ccs2216_5 = scanner.nextInt();
183
184     System.out.print("CCS 2217 marks: ");
185     int ccs2217_5 = scanner.nextInt();
186
187     int total5 = ccs2211_5 + ccs2212_5 + ccs2213_5 + ccs2214_5 + ccs2215_5 + ccs2216_5 + ccs2217_5;
188     double average5 = total5 / 7.0;
189
190     System.out.println();
191     System.out.println();
192

```

```

193     // ===== DISPLAY MARKSHEET =====
194     System.out.println("=====");
195     System.out.println("                Student Score Sheet");
196     System.out.println("=====");
197     System.out.printf("%-12s %-20s %-8s %-8s %-8s %-8s %-8s %-8s %-10s %-10s %-10s\n",
198         "Reg No.", "Full Name", "CCS 2211", "CCS 2212", "CCS 2213", "CCS 2214",
199         "CCS 2215", "CCS 2216", "CCS 2217", "TOTALS", "AVERAGE", "STATUS", "GRADE");
200     System.out.println("=====");
201
202     // Student 1
203     System.out.printf("%-12s %-20s %-8d %-8d %-8d %-8d %-8d %-8d %-10d %-10.1f %-10s %-10s\n",
204         regNo1, name1, ccs2211_1, ccs2212_1, ccs2213_1, ccs2214_1,
205         ccs2215_1, ccs2216_1, ccs2217_1, total1, average1, "", "");
206
207     // Student 2
208     System.out.printf("%-12s %-20s %-8d %-8d %-8d %-8d %-8d %-8d %-10d %-10.1f %-10s %-10s\n",
209         regNo2, name2, ccs2211_2, ccs2212_2, ccs2213_2, ccs2214_2,
210         ccs2215_2, ccs2216_2, ccs2217_2, total2, average2, "", "");
211
212     // Student 3
213     System.out.printf("%-12s %-20s %-8d %-8d %-8d %-8d %-8d %-8d %-10d %-10.1f %-10s %-10s\n",
214         regNo3, name3, ccs2211_3, ccs2212_3, ccs2213_3, ccs2214_3,
215         ccs2215_3, ccs2216_3, ccs2217_3, total3, average3, "", "");
216
217     // Student 4
218     System.out.printf("%-12s %-20s %-8d %-8d %-8d %-8d %-8d %-8d %-10d %-10.1f %-10s %-10s\n",
219         regNo4, name4, ccs2211_4, ccs2212_4, ccs2213_4, ccs2214_4,
220         ccs2215_4, ccs2216_4, ccs2217_4, total4, average4, "", "");
221
222     // Student 5
223     System.out.printf("%-12s %-20s %-8d %-8d %-8d %-8d %-8d %-8d %-10d %-10.1f %-10s %-10s\n",
224         regNo5, name5, ccs2211_5, ccs2212_5, ccs2213_5, ccs2214_5,
225         ccs2215_5, ccs2216_5, ccs2217_5, total5, average5, "", "");
226
227     System.out.println("=====");
228
229     scanner.close();
230 }
231 }

```