148229

Question 1.java

import java.util.Scanner;

public class GradeCalculator {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

// Get the student's name.

System.out.println("Enter the student's name: ");

String name = input.nextLine();

// Get the subject names and marks.

System.out.println("Enter the subject names and marks, separated by commas: ");

String[] subjectsAndMarks = input.nextLine().split(",");

// Calculate the student's grade.

int[] marks = new int[subjectsAndMarks.length];

for (int i = 0; i < subjectsAndMarks.length; i++) {

marks[i] = Integer.parseInt(subjectsAndMarks[i]);

}

int totalMarks = 0;

for (int mark : marks) {

totalMarks += mark;

}

float averageMark = (float) totalMarks / marks.length;

// Display the student's name, subjects, marks, and grade.

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

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

for (int i = 0; i < subjectsAndMarks.length; i++) {

System.out.println(" " + subjectsAndMarks[i] + ": " + marks[i]);

}

System.out.println("Average mark: " + averageMark);

System.out.println("Grade: " + getGrade(averageMark));

}

private static String getGrade(float averageMark) {

if (averageMark >= 90) {

return "A";

} else if (averageMark >= 80) {

return "B";

} else if (averageMark >= 70) {

return "C";

} else if (averageMark >= 60) {

return "D";

} else {

return "F";

}

}

}