```
import java.util.Scanner;

public class GradeCalculator {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);



        System.out.print("Enter the number of subjects: ");
        int numSubjects = scanner.nextInt();



        int[] marks = new int[numSubjects];



        for (int i = 0; i < numSubjects; i++) {
            System.out.print("Enter marks for Subject " + (i + 1) + ": ");
            marks[i] = scanner.nextInt();
        }



        int totalMarks = calculateTotalMarks(marks);



        double averagePercentage = calculateAveragePercentage(totalMarks,
numSubjects);

        char grade = assignGrade(averagePercentage);

        displayResults(totalMarks, averagePercentage, grade);

        scanner.close();
    }

    private static int calculateTotalMarks(int[] marks) {
        int totalMarks = 0;
        for (int mark : marks) {
            totalMarks += mark;
        }
        return totalMarks;
    }

    private static double calculateAveragePercentage(int totalMarks, int
numSubjects) {
        return (double) totalMarks / numSubjects;
    }

    private static char assignGrade(double averagePercentage) {
```

```
        if (averagePercentage >= 90) {
            return 'A';
        } else if (averagePercentage >= 80) {
            return 'B';
        } else if (averagePercentage >= 70) {
            return 'C';
        } else if (averagePercentage >= 60) {
            return 'D';
        } else {
            return 'F';
        }
    }

    private static void displayResults(int totalMarks, double averagePercentage,
char grade) {
        System.out.println("\nResults:");
        System.out.println("Total Marks: " + totalMarks);
        System.out.println("Average Percentage: " + averagePercentage + "%");
        System.out.println("Grade: " + grade);
    }
}
```