Project README

1. Project Overview

This project is a simple Java console-based application that calculates the total marks, average percentage, and final grade of a student based on the marks entered for multiple subjects.

2. Features

- Accepts user input for number of subjects.
- Accepts marks for each subject (out of 100).
- Validates marks to ensure they are between 0 and 100.
- Calculates total marks.
- Calculates average percentage.
- Assigns grade based on average percentage.
- Displays final result in a clear format.

3. Grading Criteria

- 90% and above : Grade A
- 80% - 89% : Grade B
- 70% - 79% : Grade C
- 60% - 69% : Grade D
- 50% - 59% : Grade E
- Below 50% : Grade F

4. How It Works

1. The program asks the user to enter the number of subjects.
2. It then prompts the user to enter marks for each subject.
3. If invalid marks (less than 0 or greater than 100) are entered,
the program asks the user to re-enter the marks.
4. After collecting valid inputs, the program calculates:
- Total Marks
- Average Percentage

5. Based on the average percentage, a grade is assigned.
6. Finally, the result is displayed on the console.

5. How to Run the Program

1. Install Java (JDK 8 or above).
2. Save the file as StudentGradeCalculator.java.
3. Open terminal or command prompt.
4. Compile the program:
javac StudentGradeCalculator.java
5. Run the program:
java StudentGradeCalculator