

Project Idea: Simple Grade Calculator

Deadline: today at 12 pm

Description

Create a program that calculates a student's final grade based on multiple test scores. The program will ask the user to input several test scores, calculate the average, and display the corresponding letter grade (A, B, C, D, or F).

Steps

1. **Get the number of tests:** Ask the user how many test scores they want to enter (between 1-10 tests)
2. **Input validation:** Use a loop to ensure the number is within the valid range
3. **Collect test scores:** Use a loop to collect each test score from the user
4. **Calculate average:** Add all scores together and divide by the number of tests
5. **Determine letter grade:** Use if-else conditions to assign letter grades:
 - A: 90-100
 - B: 80-89
 - C: 70-79
 - D: 60-69
 - F: Below 60
6. **Display results:** Show the average score and corresponding letter grade

Hint

- Use a for loop to collect multiple test scores
- Store the running total in a variable and add each score to it
- Remember to convert the average to a decimal by using float division
- You can create a separate function called `getLetterGrade()` that takes the average as input and returns the appropriate letter grade
- Consider what happens if someone enters invalid scores (like negative numbers or scores over 100)