

Attempt any 2 program

1. Project Title: Grade Calculator

Description:

Create a Java program that calculates the final grade of a student based on their scores in various subjects. The program should ask the user for the scores in each subject and then calculate the average grade. It should then output the final grade along with a corresponding message (e.g., "Pass" or "Fail").

Project Requirements:

- i. Use only if-else statements and loops (e.g., for loops, while loops) for decision making and iteration.
- ii. Utilise basic arithmetic operations for calculations.

2. Project Title: Simple Calculator

Description:

Create a Java program that acts as a simple calculator. The program should ask the user to input two numbers and then perform basic arithmetic operations (addition, subtraction, multiplication, division). It should continue to perform calculations until the user chooses to exit.

Project Requirements:

- i. Utilise if-else statements for selecting the operation.
- ii. Use loops to allow the user to perform multiple calculations.

3. Project Title: Simple ATM Simulator

Description:

Create a Java program that simulates a simple ATM (Automated Teller Machine). The program should allow users to check their balance, deposit money, and withdraw money. It should continue to perform transactions until the user chooses to exit.

Project Requirements:

- i. Use if-else statements to determine the user's choice of transaction.
- ii. Utilise loops to allow the user to perform multiple transactions.
- iii. Create a menu-driven program using a switch-case structure.