

Pseudocode Uebungen

1. Simple Calculator

Write pseudocode for a calculator program that takes two numbers and an operator as input. The program should then output the result of the operation.

Example: Input 3, 5, and "+" should output 8.

2. Grading System

Write pseudocode for a program that takes a student's score as input and outputs the grade according to these rules:

- $\text{Score} \geq 90$: Grade A
- $80 \leq \text{Score} < 90$: Grade B
- $70 \leq \text{Score} < 80$: Grade C
- $60 \leq \text{Score} < 70$: Grade D
- $\text{Score} < 60$: Grade F

3. Find Maximum of Three Numbers

Write pseudocode that takes three numbers as input and outputs the largest of the three.

Example: Input 7, 2, 5 should output 7.

4. Count Down Timer

Write pseudocode for a countdown timer that takes a number as input and then counts down to zero, printing each number along the way.

Example: Input 5 should output 5, 4, 3, 2, 1, 0.

5. Sum of Even Numbers

Write pseudocode that takes a positive integer as input and calculates the sum of all even numbers from 1 up to that number.

Example: Input 6 should output $2 + 4 + 6 = 12$.