

Show drafts  

The loop continues to execute as long as B is not 0. In each iteration, it calculates the remainder of A divided by B and updates A and B accordingly. The process continues until B becomes 0, at which point the GCD is found in the value of A.

**Example:**

Let's consider A = 56 and B = 98:

**1. Iteration 1:**

- `temp <- 98`
- `B <- 56 %% 98 = 56`
- `A <- 98`

**2. Iteration 2:**

- `temp <- 56`
- `B <- 98 %% 56 = 42`
- `A <- 56`

**3. Iteration 3:**

- `temp <- 42`
- `B <- 56 %% 42 = 14`
- `A <- 42`

**4. Iteration 4:**

- `temp <- 14`
- `B <- 42 %% 14 = 0`
- `A <- 14`

Since B is now 0, the loop terminates, and the GCD is found in A, which is 14.

In essence, the specific part of the program effectively implements the Euclidean algorithm to find the GCD of two positive integers.

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