

I'm working on a R programming problem. The current program below is not working well. Can you help in fixing this program with as few changes as possible? Below I first provide the problem description and then the current buggy program.

Given two positive integers A and B, find GCD of A and B.

Buggy Program:

```
find_gcd <- function(A, B) {
  while (B != 0) {
    temp <- B
    B <- A %% B
    A <- temp
  }

  A <- 56
  B <- 98
  gcd <- find_gcd(A, B)
  cat("GCD of", A, "and", B, "is:", gcd, "\n")
}
```

Can you fix the above buggy program? Modify only the code within the function. Make sure that you make minimal possible changes needed to fix the program.

Vorschläge anzeigen

The given program is almost correct, but it's missing a crucial step to return the GCD. The `while` loop correctly calculates the GCD, but the function doesn't return any value.

Here's the corrected version with minimal changes:

Code-Snippet

```
find_gcd <- function(A, B) {
  while (B != 0) {
    temp <- B
    B <- A %% B
    A <- temp
  }
  return(A) # Return the GCD
}
```

Verwende den Code [mit Vorsicht](#).



Now, the function returns the value of `A` after the `while` loop completes, which is the GCD. This ensures that the calculated GCD is printed correctly.

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Prompt hier eingeben



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