

Currently I'm working on a R programming problem. The current program below contains some bugs. Can you help in fixing these bugs with as few changes as possible? Below I first provide the problem description and then the 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 bug in the provided `find_gcd` function is that it doesn't return the GCD. To fix this, we need to return the value of `A` after the loop completes, which will hold the GCD.

Here's the corrected function:

Code-Snippet

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

Verwende den Code [mit Vorsicht](#).



Now, when the function is called, it will correctly calculate and return the GCD.

Prompt hier eingeben



Gemini zeigt möglicherweise fehlerhafte Informationen an, z. B. zu Personen. Überprüfe daher die Antworten. [Datenschutz & Gemini-Apps](#)