



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 buggy because it doesn't handle the case where B becomes 0 before A. This can happen when A is a multiple of B. In such cases, the program will

To fix this, we need to ensure that the loop terminates even when $\ensuremath{\mathsf{B}}$ becomes 0. We can do this by checking if B is O before entering the loop and returning A if it is.

Here's the corrected program:

enter an infinite loop.

```
Python
class P1_Python_buggy:
def findGCD(A, B):
if B = 0:
return A
while B != 0:
temp = B
B = A % B
A = temp
return A
                print(f"GCD of {A} and {B} is: {gcd}")
if __name__ == "__main__":
    P1_Python_buggy.main()
                                                                                                                                   0
 Verwende den Code mit Vorsicht.
```

This modification ensures that the program correctly handles the case where B becomes 0, preventing the infinite loop.





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