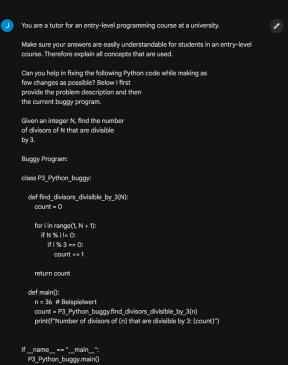




**?** 



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 code has a logic error. It counts the divisors of N that are not divisible by N, and then checks if those divisors are divisible by 3. This is incorrect because we want to count divisors of N that are divisible by 3, not those that are not divisible by

To fix this, we need to remove the  $\,$  if N % i  $\,$  != 0  $\,$  condition and simply check if  $\,$  i is divisible by 3. Here's the corrected code:

```
Python
class P3_Python_buggy:
       def find_divisors_divisible_by_3(N):
    count = 0
        def main():
    n = 36 # Beispielwert
    count = P3 Python buggy.find_divisors_divisible_by_3(n)
    print(f"Number of divisors of (n) that are divisible_by_3: {counterprint(f)}
 if __name__ == "__main__":
    P3_Python_buggy.main()
 Verwende den Code mit Vorsicht.
```

In the corrected code, we first check if  $\ _{\ i}\$  is divisible by 3. If it is, we then check if it is also a divisor of N. Only if both conditions are true do we increment the count. This ensures that we only count divisors of N that are divisible by 3.

