



Gemini ▾

[+ Gemini Advanced ausprobieren](#)

Please consider this programming problem:

Given an integer N , find the number of divisors of N that are divisible by 3.

Provide an example solution for the problem in the Python language.

Vorschläge anzeigen ▾

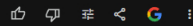


Python

```
def count_divisible_by_3(N):  
    """Counts the number of divisors of N that are divisible by 3.  
  
    Args:  
        N: The integer to find divisors for.  
  
    Returns:  
        The number of divisors of N that are divisible by 3.  
    """  
  
    count = 0  
    for i in range(1, N + 1):  
        if N % i == 0 and i % 3 == 0:  
            count += 1  
    return count  
  
# Example usage  
N = 24  
result = count_divisible_by_3(N)  
print(f"The number of divisors of {N} that are divisible by 3 is: {result}")
```

Verwende den Code [mit Vorsicht](#).

This Python code effectively solves the problem by iterating through all possible divisors of N from 1 to N . For each divisor, it checks if it's divisible by 3. If so, it increments the count. Finally, it returns the total count of divisors divisible by 3.



Prompt hier eingeben



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