



Gemini ▾

+ Gemini Advanced ausprobieren



Consider the following programming problem:

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

Please provide a solution for this problem in the Python language.

Vorschläge anzeigen ▾

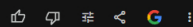


Python

```
def count_divisible_by_3(N):  
    """Counts the number of divisors of N that are divisible by 3.  
  
    Args:  
        N: The integer for which to count the divisors.  
  
    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 = 18  
result = count_divisible_by_3(N)  
print("Number of divisors of", N, "divisible by 3:", result)
```

Verwende den Code [mit Vorsicht](#).

This code defines a function `count_divisible_by_3` that takes an integer N as input. It iterates through all numbers from 1 to N and checks if they are divisors of N and also divisible by 3. If both conditions are met, the count is incremented. Finally, the function 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](#)