



Gemini ▾

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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 ▾

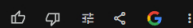


Python

```
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 of.  
  
    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` variable. Finally, the `count` variable is returned, representing the total number of divisors of `N` that are divisible by 3.



Prompt hier eingeben

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