#### **Copilot**

Sure! Let's break down the problem and then I'll provide a Python solution.

#### **Problem Breakdown**

- 1. **Divisors of N**: A divisor of a number ( N ) is any number that divides ( N ) without leaving a remainder. For example, the divisors of 6 are 1, 2, 3, and 6.
- 2. **Divisors divisible by 3**: We need to find which of these divisors are also divisible by 3.

### **Steps to Solve the Problem**

- 1. **Find all divisors of N**: Loop through all numbers from 1 to (N) and check if they are divisors of (N).
- 2. **Check if the divisor is divisible by 3**: For each divisor, check if it is divisible by 3.
- 3. **Count the divisors that are divisible by 3**: Keep a count of how many such divisors we find.

## **Python Code**

Here's how you can implement this in Python:

# Explanation

- **Initialization**: We start by initializing a counter count to 0.
- **Loop through numbers**: We use a for loop to iterate through all numbers from 1 to (N).
- **Check for divisors**: Inside the loop, we check if the current number i is a divisor of ( N ) using the modulus operator %. If N % i == 0, then i is a divisor.
- Check for divisibility by 3: If i is a divisor, we then check if it is divisible by 3 using i % 3 == 0.
- **Increment counter**: If both conditions are met, we increment the counter count.
- **Return the result**: After the loop, we return the value of count.

Feel free to ask if you have any questions or need further clarification!