



Gemini ▾

+ Gemini Advanced ausprobieren



Consider the following programming problem:
Given a positive integer N. Calculate the Fibonacci series till the number N. If N is a part of the series, include N as well.
Please provide a solution for this problem in the Python language.

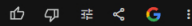


Vorschläge anzeigen ▾



Python

```
def fibonacci_series(n):  
    """Calculates the Fibonacci series up to the given number n.  
  
    Args:  
        n: A positive integer.  
  
    Returns:  
        A list containing the Fibonacci series up to n.  
    """  
  
    fib_series = [0, 1]  
    while fib_series[-1] <= n:  
        fib_series.append(fib_series[-1] + fib_series[-2])  
    return fib_series  
  
# Get the input from the user  
n = int(input("Enter a positive integer: "))  
  
# Calculate the Fibonacci series  
result = fibonacci_series(n)  
  
# Print the result  
print("Fibonacci series up to", n, ":")  
print(result)
```

Verwende den Code [mit Vorsicht](#).

Prompt hier eingeben

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