Fibonacci series

CODE:

def fibonacci\_series(n):

fib\_series = [0, 1]

for i in range(2, n):

next\_term = fib\_series[-1] + fib\_series[-2]

fib\_series.append(next\_term)

return fib\_series

# Taking user input for the number of terms in the Fibonacci series

N = int(input("Enter the number of terms in the Fibonacci series: "))

# Generating and displaying the Fibonacci series

result = fibonacci\_series(N)

print(f"Fibonacci series up to {N} terms: {result}")

OUTPUT:

Enter the number of terms in the Fibonacci series: 5

Fibonacci series up to 5 terms: [0, 1, 1, 2, 3]

>