Write a python program to find the sum of 1!/1+2!/2+.......N!/N numbers

Sample input: N=5

Sample output: Sum=34

CODE:

def factorial(n):

if n == 0 or n == 1:

return 1

else:

return n \* factorial(n - 1)

def sum\_of\_series(N):

sum\_result = 0

for i in range(1, N + 1):

sum\_result += factorial(i) / i

return sum\_result

# Taking input from the user

N = int(input("Enter the value of N: "))

# Calculating the sum of the series and displaying the result

result = sum\_of\_series(N)

print(f"Sum of the series 1!/1 + 2!/2 + ... + {N}!/{N} is: {result}")

OUTPUT:

Enter the value of N: 5

Sum of the series 1!/1 + 2!/2 + ... + 5!/5 is: 34.0

>