Find the number of factors for the given number and print the 1st N factors of the given number.

Sample Input: Given number: 100

N: 4

Sample Output: Number of factors = 9

1st 4 factors are: 1, 2, 4, 5

CODE:

def find\_factors\_and\_print(number, N):

factors = []

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

if number % i == 0:

factors.append(i)

num\_factors = len(factors)

print("Number of factors =", num\_factors)

print(f"1st {N} factors are: {', '.join(map(str, factors[:N]))}")

# Example usage:

given\_number = int(input("Enter the given number: "))

N = int(input("Enter N: "))

find\_factors\_and\_print(given\_number, N)

OUTPUT:

Enter the given number: 100

Enter N: 4

Number of factors = 9

1st 4 factors are: 1, 2, 4, 5

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