Write a Python program to calculate the sum of all even numbers between 1 and a given positive integer n

# Function to calculate the sum of even numbers

def sum\_of\_even\_numbers(n):

# Initialize sum to 0

total\_sum = 0

# Loop through numbers from 1 to n

for num in range(1, n + 1):

# Check if the number is even

if num % 2 == 0:

total\_sum += num

return total\_sum

# Take input from the user for the positive integer n

n = int(input("Enter a positive integer: "))

# Calculate the sum of even numbers

sum\_even = sum\_of\_even\_numbers(n)

# Print the result

print(f"The sum of all even numbers between 1 and {n} is: {sum\_even}")