# Function to calculate the sum of all even numbers between 1 and n

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

total\_sum = 0

for i in range(2, n + 1, 2): # Start from 2, go up to n, step by 2

total\_sum += i

return total\_sum

# Main program

def main():

# Ask the user to enter a positive integer

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

# Calculate the sum of even numbers

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

# Print the result

print("The sum of all even numbers between 1 and", n, "is:", result)

# Call the main function

main()