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#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 between 1 and n
def sum_of_even_numbers(n):
    # Initialize sum
    total_sum = 0

    # Loop through numbers from 1 to n
    for number in range(2, n+1, 2):  # Starting from 2 and incrementing by 2 to get even numbers
        total_sum += number

    return total_sum

# Take input from the user
n = int(input("Enter a positive integer n: "))

# Calculate and print the sum of even numbers
result = sum_of_even_numbers(n)
print(f"The sum of all even numbers between 1 and {n} is: {result}")
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Enter a positive integer n: 15
The sum of all even numbers between 1 and 15 is: 56
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