```python
# Function to calculate the sum of even numbers up to n
def sum_of_even_numbers(n):
    # Initialize the sum
    even_sum = 0

    # Iterate through numbers from 1 to n
    for num in range(1, n + 1):
        if num % 2 == 0:  # Check if the number is even
            even_sum += num

    return even_sum

# Input: Get the value of n from the user
n = int(input("Enter a positive integer: "))

# Check if the input is valid
if n > 0:
    result = sum_of_even_numbers(n)
    print(f"The sum of all even numbers between 1 and {n} is: {result}")
else:
    print("Please enter a positive integer.")
```

The sum of all even numbers between 1 and 4 is: 6

In [ ]: