

```
In [3]: def sum_of_evens(n):  
        """  
        Calculate the sum of all even numbers between 1 and n (inclusive).  
  
        Args:  
            n (int): The upper limit for the range.  
  
        Returns:  
            int: The sum of all even numbers between 1 and n.  
        """  
        if n < 1:  
            return 0 # No even numbers in the range if n is less than 1  
  
        # Calculate the sum of even numbers  
        total = sum(i for i in range(2, n + 1, 2))  
        return total  
  
        # Input from the user  
    try:  
        n = int(input("Enter a positive integer: "))  
        if n <= 0:  
            print("Please enter a positive integer.")  
        else:  
            print(f"The sum of all even numbers between 1 and {n} is: {sum_of_evens(n)}")  
    except ValueError:  
        print("Invalid input! Please enter a valid positive integer.")
```

The sum of all even numbers between 1 and 22 is: 132

In [ ]: