In [1]:
```python
# Input: A positive integer n
n = int(input("Enter a positive integer: "))
# Initialize the sum variable
even_sum = 0
# Loop to calculate the sum of even numbers
for i in range(2, n + 1, 2):  # Start from 2, go to n, step by 2
    even_sum += i
# Output the result
print(f"The sum of all even numbers between 1 and {n} is: {even_sum}")
```

```
Enter a positive integer: 10
The sum of all even numbers between 1 and 10 is: 30
```

In [ ]: