

## Sample Coding Question (Placeholder)

Write a function called `sum_even(n)` that returns the sum of all even integers from 1 to n inclusive.

Input: an integer n ( $n \geq 1$ ).

Output: integer sum.

Example:  $n = 6 \rightarrow 2 + 4 + 6 = 12$ .

Constraints:

- Do not use external libraries.
- Your solution should run in  $O(n)$ .