

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` -> `2 + 4 + 6 = 12`.

Constraints:

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