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**Documentary of the Code**

**Code Overview**

This program is a variation of the classic **FizzBuzz problem**.

* It runs through numbers **1 to 20**.
* For each number, it calculates the **sum** of the current number and the **previous number**.
* Then it checks:
  + If the sum is divisible by both **3 and 5 → "FizzBuzz"**
  + If divisible only by **3 → "Fizz"**
  + If divisible only by **5 → "Buzz"**
  + Otherwise, it prints the sum itself.

**🔹 Step-by-Step Explanation**

1. **Initialize previous number**
2. previous\_number = 0
   * Starts with 0 because before the first loop, there is no previous number.
3. **Start the loop from 1 to 20**
4. for current\_number in range(1, 21):
   * The loop goes through numbers 1 → 20.
   * Each number is stored in current\_number.
5. **Print the computer's pick**
6. print(f"Computer picks: {current\_number}")
   * Displays the number chosen in the current iteration.
7. **Calculate total (sum of previous and current number)**
8. total = previous\_number + current\_number
9. print(f"Total so far: {previous\_number} + {current\_number} = {total}")
   * Adds the current number to the previous number.
   * Shows the calculation clearly.
10. **FizzBuzz conditions**
11. if total % 3 == 0 and total % 5 == 0:
12. print("Computer says: FizzBuzz!")
13. elif total % 3 == 0:
14. print("Computer says: Fizz!")
15. elif total % 5 == 0:
16. print("Computer says: Buzz!")
17. else:
18. print(f"Computer says: {total}")
    * **Divisible by both 3 and 5 → "FizzBuzz!"**
    * **Divisible only by 3 → "Fizz!"**
    * **Divisible only by 5 → "Buzz!"**
    * Otherwise → Just prints the total value.
19. **Move to the next line for readability**
20. print()
    * Adds an empty line between each step.
21. **Update previous number**
22. previous\_number = current\_number
    * The current number becomes the "previous number" for the next round.

**🔹 Example of First Iterations**

* **Iteration 1**:
  + Current = 1, Previous = 0 → Total = 1
  + Not divisible by 3 or 5 → Prints 1.
* **Iteration 2**:
  + Current = 2, Previous = 1 → Total = 3
  + Divisible by 3 → Prints Fizz!.
* **Iteration 3**:
  + Current = 3, Previous = 2 → Total = 5
  + Divisible by 5 → Prints Buzz!.