**AI LAB TASK 2**

**Description of the FizzBuzz Game (Modified Version)**

This is a FizzBuzz (Modified Version) game. Rather than checking numbers, the game makes decisions based on the sum of the previous number and the present number. The user is required to give answer that it is "Fizz," "Buzz," "FizzBuzz," or the number itself.

**Step 1: Initializing the Game**

• The program initiates by printing the message "Frizzbuzz Game."

• Two values are initialized at the beginning:

previous = 0 → stores the previous number used.

score = 0 → tell how many correct answer the player makes.

**Step 2: Playing Rounds**

• The game plays for 10 rounds (numbers 1 to 11).

• In each round:

1. The program computes the true number as:

2. total = previous + current number

3. It displays this total to the player.

4. The player enters an answer (Fizz, Buzz, FizzBuzz, or the number).

5. The program replaces the old with the new number, ready for the next iteration.

**Step 3: FizzBuzz Rules**

The program tests the total number according to the rules below:

• If both divisible by 3 and 5, the answer is FizzBuzz.

• If divisible by 3 but not 5, the answer is Fizz.

• If divisible by 5 but not 3, the answer is Buzz.

• If not divisible by 3 or 5, the answer is simply the number itself.

Step 4: Checking the Player's Answer

• If the player's answer is correct according to the right result, the program prints "Correct" and adds 1 to the score

• In case the player is incorrect, the program displays "Wrong answer."

**Step 5: Game Over**

• When the game reaches round 10, the program prints "Game over."

• Then ends by displaying the final score of the player, indicating the number of correct answers.