Fizz Buzz

The fizz\_buzz\_game function implements an interactive version of the Fizz Buzz game.

1. **Input Number**: The function starts by prompting the user to enter a number, which determines the range of numbers to be used in the game.

2. **Random Sampling**: It uses random.sample to generate a random sequence of numbers from 1 to the entered number.

3. **Game Loop**: For each number in the sequence, the function:

* Prints the current number.
* Ask the user to choose the correct option (Fizz, Buzz, Fizz Buzz, or N/A).

4. **Determine Correct Answer**: The function checks the current number:

* If divisible by 3 and 5, the correct answer is "Fizz Buzz".
* If divisible by 3 only, the correct answer is "Fizz".
* If divisible by 5 only, the correct answer is "Buzz".
* Otherwise, the correct answer is "N/A".

5. **User Input and Scoring**: The user's choice is compared to the correct answer:

* If correct, the score is incremented, and the game continues.
* If incorrect, the correct answer is displayed, and the game ends.

6. **Final Score**: After the loop, the total score is printed.