Documentation

MAHAM NAFEES

ROLL NO 38

# Task 01: FizzBuzz Memory Game

## Purpose

This program is a game where the player has to remember and repeat the sequence of FizzBuzz words from the previous two rounds. It helps improve memory and attention while applying the FizzBuzz rules.

## How It Works

1. The game runs for 10 rounds.  
2. For each round, the program applies FizzBuzz rules:  
 - If number divisible by 3 and 5 → 'fizzbuzz'.  
 - If number divisible by 3 → 'fizz'.  
 - If number divisible by 5 → 'buzz'.  
 - Otherwise → the number itself.  
3. From round 2 onward, the correct answer is the concatenation of the last two words.  
4. The user enters their answer each round.  
5. Score increases if the answer matches the expected output.  
6. At the end, the final score is displayed.

## Key Variables

- score: Keeps track of the user’s score.  
- rounds: Total rounds (10).  
- last\_word & second\_last\_word: Stores last two outputs to form the correct answer.

# Task 02: Movie Budget Analyzer

## Purpose

This program stores a list of movies with their budgets and allows the user to add more movies. It then calculates the average budget and shows which movies have budgets above the average.

## How It Works

1. A predefined list of movies with budgets is given.  
2. The user can add more movies by entering names and budgets.  
3. The program calculates the average budget of all movies.  
4. It sorts movies in descending order of budget.  
5. For movies with a budget above average, it shows:  
 - The budget  
 - The difference compared to the average  
 - The percentage above the average  
6. Finally, it prints the total number of movies above the average.

## Key Variables

- movies: List storing movie names and budgets.  
- more: Number of movies user wants to add.  
- total\_budget: Sum of all movie budgets.  
- average: Average budget of all movies.