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## TASK 2

## Project 1: FizzBuzz Guessing Game

This project is a fun version of the classic FizzBuzz game.   
The program randomly generates a number between 1 and 10 each round and adds it to the total.  
The player must correctly guess whether the total is 'Fizz', 'Buzz', 'FizzBuzz', or 'Number'.  
If the player guesses wrong, the game ends immediately.

Python Code:

import random  
  
def fizz\_buzz\_game():  
 print(" Welcome to the FizzBuzz Game")  
  
 total = 0  
 score = 0  
  
 while True:  
 new\_number = random.randint(1, 10)   
 total += new\_number   
  
 print(f"\nNew Number Added: {new\_number}")  
  
 guess = input("Your Answer (Fizz / Buzz / FizzBuzz / Number): ").strip().capitalize()  
  
 if total % 3 == 0 and total % 5 == 0:  
 correct = "Fizzbuzz"  
 elif total % 3 == 0:  
 correct = "Fizz"  
 elif total % 5 == 0:  
 correct = "Buzz"  
 else:  
 correct = "Number"  
  
 if guess == correct:  
 print(" Correct")  
 score += 1  
 else:  
 print(f"Wrong.The correct answer was: {correct}")  
 print(f"Game Over! Your Final Score: {score}")  
 break  
  
fizz\_buzz\_game()

## Project 2: Movie Budget Analyzer

This project calculates the average movie budget from a given dataset.  
It shows which movies have budgets higher than the average and how much higher they are.  
Users can also add their own movies before calculations.

Python Code:

movies = [  
 ("Eternal Sunshine of the Spotless Mind", 20000000),  
 ("Memento", 9000000),  
 ("Requiem for a Dream", 4500000),  
 ("Pirates of the Caribbean: On Stranger Tides", 379000000),  
 ("Avengers: Age of Ultron", 365000000),  
 ("Avengers: Endgame", 356000000),  
 ("Incredibles 2", 200000000)  
]  
  
extra = int(input("How many movies do you want to add? "))  
  
for i in range(extra):  
 name = input(f"Enter movie name {i+1}: ")  
 budget = int(input(f"Enter budget for '{name}': "))  
 movies.append((name, budget))  
  
total = 0  
for m in movies:  
 total += m[1]  
  
average = total / len(movies)  
print(" Average movie budget is:", round(average, 2))  
  
count = 0  
print("Movies with higher budget than average:")  
for name, budget in movies:  
 if budget > average:  
 count += 1  
 print(f"- {name} (Higher by {budget - average:,.0f})")  
  
print(f"\nTotal movies: {len(movies)}")  
print(f"Movies above average: {count}")