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**1. FizzBuzz Program**

The **FizzBuzz program** is a simple coding exercise that helps beginners practice loops and conditional statements. It goes through a range of numbers and applies the following rules:

Steps:

1. If a number is divisible by **3**, print "Fizz".
2. If a number is divisible by **5**, print "Buzz".
3. If a number is divisible by **both 3 and 5**, print "FizzBuzz".
4. Otherwise, print the number itself.

Code Example:

for i in range(1, 21):  
 if i % 3 == 0 and i % 5 == 0:  
 print("FizzBuzz")  
 elif i % 3 == 0:  
 print("Fizz")  
 elif i % 5 == 0:  
 print("Buzz")  
 else:  
 print(i)

Sample Output (1–20):

1  
2  
Fizz  
4  
Buzz  
Fizz  
7  
8  
Fizz  
Buzz  
11  
Fizz  
13  
14  
FizzBuzz  
16  
17  
Fizz  
19  
Buzz

This is often used in interviews and programming practice to test logic-building skills..

**2. Movie Budget Program**

### ****Explanation****

This program stores movies with their budgets, calculates the **total and average budget**, and identifies which movies have a budget higher than the average.

**Steps:a**

1. Store movies and their budgets in a list of tuples.
2. Optionally, allow the user to add more movies.
3. Calculate the **total expense** of all movies.
4. Calculate the **average budget**.
5. Print the movies that have a **budget higher than the average**.
6. Count how many such movies exist.

Code Example:

movies = [  
 ("Memento", 9000000),  
 ("Avengers: Endgame", 356000000),  
 ("Incredibles 2", 200000000)  
]  
  
ans = input("Add movies? (yes/no): ")  
  
if ans == "yes":  
 more = int(input("How many movies? "))  
 for i in range(more):  
 name = input("Movie name: ")  
 budget = int(input("Movie budget: "))  
 movies.append((name, budget))  
elif ans == "no":  
 print("No movies added.")  
 exit()  
  
# Total and average  
total = 0  
for name, budget in movies:  
 total += budget  
avg = total / len(movies)  
  
print("Total budget:", total)  
print("Average budget:", avg)  
  
# Movies above average  
print("\nMovies above average:")  
count = 0  
for name, budget in movies:  
 if budget > avg:  
 print(f"{name} → budget {budget}, which is {budget - avg} more than average.")  
 count += 1  
  
print("\nTotal movies above average:", count)

Sample Output:

Total budget: 565000000  
Average budget: 188333333.33  
  
Movies above average:  
Avengers: Endgame → budget 356000000, which is 167666666.67 more than average.  
  
Total movies above average: 1