**Lab Task – Fizz Buzz & Movie Budget Analysis**  
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**1. Objective**

* To practice Python programming with loops and conditionals.
* To implement Fizz Buzz for numbers 1 to 100.
* To analyze a movie dataset by calculating average budgets and identifying above-average movies.

**2. Task 1 – Fizz Buzz**

**Description:**  
This program prints numbers from 1 to 100 but replaces certain numbers with words based on divisibility rules:

* Numbers divisible by 3 are replaced with **“Fizz”**.
* Numbers divisible by 5 are replaced with **“Buzz”**.
* Numbers divisible by both 3 and 5 are replaced with **“Fizz Buzz”**.
* Other numbers are printed as they are.

**Sample Output (Explained):**

* For 1, 2 → prints 1, 2
* For 3 → prints Fizz
* For 5 → prints Buzz
* For 15 → prints Fizz Buzz
* Continues this pattern up to 100

**3. Task 2 – Movie Budget Analysis**

**Description:**  
This program analyzes a dataset of movies with their budgets and performs the following:

1. Calculates the **average budget** of all movies.
2. Identifies **movies with budgets above the average**.
3. Shows **how much higher** each above-average budget is compared to the average.
4. Counts the **number of movies above average**.
5. Optionally, allows the user to **add more movies** to the dataset before running the analysis.

**Sample Output (Explained):**

* Average budget calculated: e.g., 160,000,000
* Movie “Pirates of the Caribbean: On Stranger Tides” → 219,000,000 above average
* Movie “Avengers: Age of Ultron” → 205,000,000 above average
* Total movies above average: 4

**4. Conclusion**

* Learned how to use **loops and conditionals** in Python.
* Implemented **Fizz Buzz** to handle multiple conditions based on divisibility.
* Practiced **list operations, arithmetic calculations, and comparisons**.
* Analyzed a dataset to calculate averages and identify above-average values.
* Improved understanding of **dynamic data handling** and program logic.