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**Explanation**

The provided Python code processes a dataset of movies to calculate the average budget, identify films with budgets exceeding this average, and allow users to add new movies. It begins with a predefined list of tuples, each containing a movie title and its budget in dollars. The program prompts the user to specify how many additional movies they want to add, using a for loop to collect each new movie’s title and budget. A while loop with try/except ensures the budget input is a valid, non-negative integer, appending each new movie as a tuple to the list. Next, it calculates the total budget using a sum with a generator expression to extract budgets, then divides by the number of movies to find the average. The code then iterates through the movie list, printing each movie with a budget above the average, along with how much it exceeds the average, formatted with commas and two decimal places for clarity. A counter tracks these high-budget movies, and the total count is printed at the end. This program is robust, handling invalid inputs, providing clear output, and flexibly allowing dataset expansion while meeting all specified requirements.

**OUTPUT :**

