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BSIT-3-D l

1 – Data Setup
The program begins by creating an array of properties. Each property is represented as an object with details such as location, type, price, and size. This array acts like a small database where all the property information is stored.

2 – Display Function
A display function is used to show the results on a webpage. It creates a new section for every result, adds a title, and then prints the data in a readable format. This helps organize the output so it is clear and easy to understand.

3 – Processing Functions
The program contains several functions to analyze the property data. One calculates the average price by adding all property prices and dividing by the total number. Another filters properties by type, such as showing only condos or houses. A third function finds the largest property based on size, and another groups the properties into low, mid, and high categories depending on their price range.

4 – Fetching New Listings
There is also a function that simulates fetching new listings. It uses a small delay to act like it is getting data from the internet and then provides two additional properties. This demonstrates how asynchronous code works in JavaScript.

5 – Displaying Results
Finally, the program calls all these functions and displays their results on the page. It shows the average price, lists condos, identifies the largest property, groups properties by price range, and after the delay, also shows the new listings. In short, the program works like a simple real estate system that stores, processes, and displays property information.