

## Task 2

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### **Inventory Management System**

The first part of this code is the `add_product()` function. This function takes `products` dictionary as input and it prompts user to enter the product name, price, and quantity. Then, it will make a dictionary with product name as its key and a list containing the price and quantity as its value.

The second part of this code is the `update_product()` function. This function also takes `products` dictionary as input and it prompts the user to enter the name of the product that the user wishes to update. If the product exist in the system, it will prompts the user to enter the new price and quantity for the product but if the product does not exist in the system, it will display a message telling the user that the product does not exist in the system.

The next part is the `view_product()` function. This function allows the user to see the full list of products that are in the system by iterating through the `products` dictionary.

Next, `main()` function acts as the home page for the system. When this function is being called, the first thing that it will do is to initialize an empty dictionary called `products`. Then, it will enters a while loop until the user enters 'Stop' to break the loop. Once in the loop, it system will prompts the user to choose action between Add, Update, View, and Stop. Functions that have been created (`add_product`, `update_product`, and `view_product`) will be called based on the user's input.

Lastly, the conditional check if the script is being run directly. Then, it is the point to enter the system.