Mr. Jagi is a manager from a computer shop. One day Mr. Jagi wants to change the old stock administration system of his computer shop into a new system. So he asks you as a skillful programmer to make a program using a linked list concept. Here are the descriptions of the prototype:

The program consists of 4 menus:

1. Item List
2. Add (PUSH) New Item
3. Delete (POP) Item
4. Exit

If user chooses Item List, then program will show the item list that contains No, Name, Type, Quantity, and Price of the items.

If user chooses Add (PUSH) New Item (menu 1), then:

* Ask user to input the name of the new item that he/she wants to add to the list. The length of the new item name must be between 3 and 20 characters.
* Ask user to input the type of the new item. The type of the new item must be between “processor”, “graphic card”, or “memory”.
* Ask user to input quantity of the new item. The quantity must be between 1 and 20.
* Ask user to input the price of the new item. The price must be between $1 and $1000.
* If data has been successfully added, show the message “--- Add New Item Success ---”

If user chooses Delete (POP) Item (menu 2), then ask user to input the name of the new item that he/she wants to delete from the list. The length of new item name must be between 3 and 20 characters.

If user chooses Exit (menu 3), then delete all data in the linked list and the program will ends.