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In [ ]: def input_fruits():
    fruits = [] # An empty list that is named as 'fruits'
    while True:
        user_input = input("Enter the name of the fruit (or type 'done' to finish):")
        if user_input == "done": # If user inputs 'done', the code stops and displays
            break

        fruit = user_input # Sets the variable 'fruit' to the user input
        fruits.append(fruit) # Inserts the user inputs inside the empty fruit list
    return fruits # This returns the value of 'fruits' list

def modify_fruit_list(fruits):
    while True:
        print("\nCurrent fruit lists: ", fruits) # Displays the list of fruits that
        print("Options: ")
        print("1. Insert a fruit in a specific index")
        print("2. Sort the fruit list")
        print("3. Remove a fruit in the list")
        print("4. Exit")

        choice = int(input("Choose an option (1-4): ")) # A variable called 'choice'

        if choice == "1":
            try:
                index = int(input("Enter the index to insert at: "))
                fruit_name = input("Enter the fruit name: ")
                fruits.insert(index, fruit_name)
            except:
                print("Invalid index! Please enter a valid integer.")
        elif choice == "2":
            fruits.sort(reverse=True)
            print("Fruit list sorted!")
        elif choice == "3":
            fruit_name = input("Enter the fruit to remove: ")
            if fruit_name in fruits:
                fruits.remove(fruit_name)
                print(f"{fruit_name} removed!")
            else:
                print(f"{fruit_name} not found in the list!")
        elif choice == "4":
            print("Exiting modification menu.")
            break
        else:
            print("Invalid choice! Please enter a number from 1 to 4.")

fruit_list = input_fruits()
modify_fruit_list(fruit_list)

```

Current fruit lists: ['banana', 'apple', 'durian']

Options:

1. Insert a fruit in a specific index
2. Sort the fruit list
3. Remove a fruit in the list
4. Exit

Fruit list sorted!

Current fruit lists: ['durian', 'banana', 'apple']

Options:

1. Insert a fruit in a specific index
2. Sort the fruit list
3. Remove a fruit in the list
4. Exit

In []: