

PRACTICAL 3

3	<p>Lists and Their Operations</p> <p>Create a shopping list application.</p> <ul style="list-style-type: none">• Add items to a list.• Remove an item if it is purchased (input from the user).• Sort the list alphabetically.• Print the list of items after each operation.
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"""Lists and Their Operations
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```
Create a shopping list application.
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- Add items to a list.
- Remove an item if it is purchased (input from the user).
- Sort the list alphabetically.
- Print the list of items after each operation.

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"""
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```
# Create an empty shopping list
```

```
shopping_list = []
```

```
while True:
```

```
    print("\nShopping List Menu:")
```

```
    print("1. Add item")
```

```
    print("2. Remove item")
```

```
    print("3. Sort list")
```

```
    print("4. Show list")
```

```
    print("5. Exit")
```

```
    choice = input("Enter your choice (1-5): ")
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```
    if choice == "1":
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```
        item = input("Enter item to add: ")
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PRACTICAL 3

```
shopping_list.append(item)

print("Item added.")

print("Current list:", shopping_list)


elif choice == "2":

    item = input("Enter item to remove: ")

    if item in shopping_list:

        shopping_list.remove(item)

        print("Item removed.")

    else:

        print("Item not found in the list.")

    print("Current list:", shopping_list)


elif choice == "3":

    shopping_list.sort()

    print("List sorted alphabetically.")

    print("Current list:", shopping_list)


elif choice == "4":

    print("Shopping list:", shopping_list)


elif choice == "5":

    print("Exiting... Goodbye!")

    break


else:

    print("Invalid choice. Please enter a number from 1 to 5.")
```

PRACTICAL 3

```
Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 1
Enter item to add: MANGO
Item added.
Current list: ['MANGO']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 1
Enter item to add: APPLE
Item added.
Current list: ['MANGO', 'APPLE']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 1
Enter item to add: CERRY
Item added.
Current list: ['MANGO', 'APPLE', 'CERRY']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 1
Enter item to add: LEAMON
Item added.
Current list: ['MANGO', 'APPLE', 'CERRY', 'LEAMON']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 1
Enter item to add: WATERMELON
Item added.
Current list: ['MANGO', 'APPLE', 'CERRY', 'LEAMON', 'WATERMELON']
```

PRACTICAL 3

```
Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 4
Shopping list: ['MANGO', 'APPLE', 'CERRY', 'LEAMON', 'WATERMELON']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 3
List sorted alphabetically.
Current list: ['APPLE', 'CERRY', 'LEAMON', 'MANGO', 'WATERMELON']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 2
Enter item to remove: LEAMON
Item removed.
Current list: ['APPLE', 'CERRY', 'MANGO', 'WATERMELON']

Shopping List Menu:
1. Add item
2. Remove item
3. Sort list
4. Show list
5. Exit
Enter your choice (1-5): 5
Exiting... Goodbye!
```