

PRACTICAL 3

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| 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

Create a shopping list application.

- 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.

```
# 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")
```

Item = input('Enter item to add: ')

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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.")
```

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```
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']
```

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```
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!  
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```