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C204 BSCS

```
def main():
```

```
    items = []
```

```
while True:
```

```
    print("\n[ MENU OPTIONS ]")
```

```
    print("1 – Add Items")
```

```
    print("2 – Search for an Item")
```

```
    print("3 – Remove an Item")
```

```
    print("4 – View all items (Sorted either A-Z | Z-A)")
```

```
    print("0 – Exit program")
```

```
choice = input("Pick one [0 to quit]: ")
```

```
if choice == "1":
```

```
    print("Enter items to add (press 'x' to stop):")
```

```
    while True:
```

```
        item = input("Enter item: ")
```

```
        if item.lower() == "x":
```

```
            break
```

```
        items.append(item)
```

```
    print("Items successfully added!")
```

```
elif choice == "2":
```

```
    search_item = input("Enter item to search: ")
```

```
    count = items.count(search_item)
```

```
    if count > 0:
```

```
        print(f"✅ '{search_item}' found {count} time(s) in the list.")
```

else:

```
print(f"✗ '{search_item}' not found in the list.")
```

elif choice == "3":

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

if remove_item in items:

```
items.remove(remove_item)
```

```
print(f"✔ '{remove_item}' found and deleted.")
```

else:

```
print(f"✗ '{remove_item}' not found - deletion unsuccessful.")
```

elif choice == "4":

```
# View all items sorted
```

if not items:

```
print("⚠ List is empty.")
```

else:

```
order = input("Sort order (A for Ascending, D for Descending): ").upper()
```

if order == "D":

```
sorted_items = sorted(items, reverse=True)
```

else:

```
sorted_items = sorted(items)
```

```
print("\nItems in the list:")
```

```
for i, item in enumerate(sorted_items, start=1):
```

```
    print(f"{i}. {item}")
```

elif choice == "0":

```
print("Exiting program... Goodbye!")
```

```
break
```

else:

print("⚠ Invalid choice, please try again.")

if __name__ == "__main__":

main()

```
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program
Pick one [0 to quit]: 1
Enter items to add (press 'x' to stop):
Enter item: Soda
Enter item: Popsickle
Enter item: Mountain dew
Enter item: Iced Coffee
Enter item: x
Items successfully added!
```

```
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program
Pick one [0 to quit]:
```

```
Pick one [0 to quit]: 2
Enter item to search: Soda
✅ 'Soda' found 1 time(s) in the list.
```

```
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program
Pick one [0 to quit]: |
```

```
0 - Exit program
Pick one [0 to quit]: 3
Enter item to remove: Soda
✅ 'Soda' found and deleted.

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program
Pick one [0 to quit]: 2
Enter item to search: Soda
❌ 'Soda' not found in the list.
```

```
0 - Exit program
Pick one [0 to quit]: 4
Sort order (A for Ascending, D for Descending): a

Items in the list:
1. Iced Coffee
2. Mountain dew
3. Popsickle

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program
Pick one [0 to quit]: |
```

```
0 - Exit program
Pick one [0 to quit]: 4
Sort order (A for Ascending, D for Descending): d

Items in the list:
1. Popsickle
2. Mountain dew
3. Iced Coffee
```

```
Pick one [0 to quit]: 0  
Exiting program... Goodbye!
```