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YEAR&SECTION : BSCS - C204 MLABTASK#3

SAMPLE OUTPUT:

```
[ MENU OPTIONS ]
                                                                       Pick one [0 to quit]: 3
    1 - Add Items
                                                                      Enter the item you want to remove: COMPUTER
    2 - Search for an Item
    3 - Remove an Item
                                                                       Item 'COMPUTER' not found - deletion unsuccessful.
    4 - View all items (Sorted either A-Z | Z-A)
is 0 - Exit program
                                                                       [ MENU OPTIONS ]
add Pick one [0 to quit]: 1
Enter an item to add (or press 'x' to stop): Computer
                                                                       1 - Add Items
    Item 'Computer' added.
                                                                      0
2 - Search for an Item
    Enter an item to add (or press 'x' to stop): CELLPHONE
                                                                       3 - Remove an Item
    Item 'CELLPHONE' added.
    Enter an item to add (or press 'x' to stop): BOOKS
                                                                       4 - View all items (Sorted either A-Z | Z-A)
d.") Item 'BOOKS' added.
                                                                      d - Exit program
    Enter an item to add (or press 'x' to stop): X
   [ MENU OPTIONS ]
                                                                      fPick one [0 to quit]: 3
1 - Add Items
2 - Search for an Item
                                                                       Enter the item you want to remove: Computer
    3 - Remove an Item
                                                                       Item 'Computer' found and deleted.
    4 - View all items (Sorted either A-Z | Z-A)
ound 0 - Exit program
                                                                       [ MENU OPTIONS ]
ot f Pick one [0 to quit]: 2
                                                                      1 - Add Items
    Enter the item you want to search for: BOOKS
    Item 'BOOKS' found 1 time(s).
                                                                       2 - Search for an Item
item [ MENU OPTIONS ]
1 - Add Items
                                                                       3 - Remove an Item
                                                                      04 - View all items (Sorted either A-Z | Z-A)
    2 - Search for an Item
    3 - Remove an Item
                                                                       0 - Exit program
  fo 4 - View all items (Sorted either A-Z | Z-A)
    0 - Exit program
                                                                       Pick one [0 to quit]: 4
    Pick one [0 to quit]: 3
                                                                       Do you want to view items sorted A-Z or Z-A? (Enter 'A' for A-Z or 'Z' for Z-A): A
    Enter the item you want to remove: COMPUIER
Item 'COMPUIER' not found - deletion unsuccessful.
                                                                       Items sorted A-Z:
                                                                       BOOKS
vie [ MENU OPTIONS ]
                                                                      CELLPHONE
    1 - Add Items
    2 - Search for an Item
    3 - Remove an Item
                                                                       [ MENU OPTIONS ]
    4 - View all items (Sorted either A-Z | Z-A)
ever 0 - Exit program
                                                                       1 - Add Items
                                                                       2 - Search for an Item
    Pick one [0 to quit]: 3
Enter the item you want to remove: COMPUTER Item 'COMPUTER' not found - deletion unsuccessful.
                                                                      r 3 - Remove an Item
                                                                       4 - View all items (Sorted either A-Z | Z-A)
    [ MENU OPTIONS ]
                                                                       0 - Exit program
    1 - Add Items
      - Search for an Item
      - Remove an Item
                                                                       Pick one [0 to quit]: 0
                                                                       Exiting program...
                                                                       ... Program finished with exit code 0
                                                                      Press ENTER to exit console.
```

```
# Initialize an empty list to store items
items = []
def add_items():
"""Add items to the list until 'x' is pressed."""
while True:
item = input("Enter an item to add (or press 'x' to stop): ")
if item.lower() == 'x':
break
else:
items.append(item)
print(f"Item '{item}' added.")
def search_item():
"""Search for an item in the list."""
search_term = input("Enter the item you want to search for: ")
count = items.count(search_term)
if count > 0:
print(f"Item '{search_term}' found {count} time(s).")
else:
print(f"Item '{search_term}' not found.")
def remove_item():
"""Remove an item from the list."""
item_to_remove = input("Enter the item you want to remove: ")
if item_to_remove in items:
items.remove(item_to_remove)
print(f"Item '{item_to_remove}' found and deleted.")
```

```
else:
print(f"Item '{item_to_remove}' not found - deletion unsuccessful.")
def view_items():
"""View all items in the list, sorted either A-Z or Z-A."""
sort_order = input("Do you want to view items sorted A-Z or Z-A? (Enter 'A' for A-Z or 'Z' for Z-A): ")
if sort_order.lower() == 'a':
sorted_items = sorted(items)
print("Items sorted A-Z:")
elif sort_order.lower() == 'z':
sorted_items = sorted(items, reverse=True)
print("Items sorted Z-A:")
else:
print("Invalid input. Displaying items unsorted.")
sorted_items = items
for item in sorted_items:
print(item)
def main():
"""Main function to display the menu and handle user input."""
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("\nPick one [0 to quit]: ")
if choice == '1':
add_items()
elif choice == '2':
search_item()
elif choice == '3':
remove_item()
elif choice == '4':
view_items()
elif choice == '0':
print("Exiting program...")
break
else:
print("Invalid option, please try again.")
if __name__ == "__main__":
main()
```