Program 1:

cart = [] # empty shopping cart list

n = int(input("Enter number of items to add: "))

for i in range(n):

item = input("Enter item name: ")

cart.append(item)

print("Current cart:", cart)

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

if remove\_item in cart:

cart.remove(remove\_item)

else:

print("Item not found in cart.")

print("Final cart:", cart)

Program 2:

n = int(input("Enter number of subjects: "))

marks\_list = []

for i in range(n):

mark = int(input(f"Enter marks for subject {i+1}: "))

marks\_list.append(mark)

marks\_tuple = tuple(marks\_list)

print("Marks tuple:", marks\_tuple)

highest = marks\_tuple[0]

for m in marks\_tuple:

if m > highest:

highest = m

print("Highest marks:", highest)

Program 3:

books\_dict = {}

n = int(input("Enter the number of books to record: "))

for i in range(n):

title = input("Enter book title: ")

copies = int(input("Enter number of copies: "))

books\_dict[title] = copies

print("Library Book Records:")

print(books\_dict)

Program 4:

n = int(input("Enter number of books issued: "))

issued\_books = []

for i in range(n):

book = input("Enter book title: ")

issued\_books.append(book)

print("\nList of issued books:", issued\_books)

search\_book = input("Enter the book title to search: ")

if search\_book in issued\_books:

count = issued\_books.count(search\_book)

print("Book is issued.")

print("Number of times this book is issued:", count)

else:

print("Book is not issued.")