```
SIZE = 5
queue = [None] * SIZE
front = -1
rear = -1
def enqueue(value):
    global rear, front
    if rear == SIZE - 1:
        print("Queue is FULL! Insertion is not possible!")
    else:
        if front == -1:
            front = 0
        rear += 1
        queue[rear] = value
        print(f"{value} enqueued to queue.")
def dequeue():
    global rear, front
    if front == -1 or front > rear:
        print("Queue is EMPTY! Cannot dequeue.")
    else:
        removed = queue[front]
        print(f"{removed} dequeued from queue.")
        front += 1
        if front > rear:
            front = rear = -1
def display():
    if front == -1 or front > rear:
        print("Queue is EMPTY!")
    else:
        print("Queue elements are:")
        for i in range(front, rear + 1):
            print(queue[i])
while True:
    print("\n--- Queue Operations Menu ---")
    print("1. Enqueue")
    print("2. Dequeue")
    print("3. Display")
    print("4. Exit")
choice = input("Enter your choice (1-4): ")
 if choice == '1':
        value = input("Enter value to enqueue: ")
        enqueue(value)
    elif choice == '2':
        dequeue()
    elif choice == '3':
        display()
    elif choice == '4':
        print("Exiting program. Goodbye!")
        break
    else:
        print("Invalid choice. Please try again.")
```

```
--- Queue Operations Menu ---
1. Enqueue
2. Dequeue
3. Display
4. Exit
Enter your choice (1-4): 1
Enter value to enqueue: 123
123 enqueued to queue.

--- Queue Operations Menu ---
1. Enqueue
2. Dequeue
3. Display
4. Exit
Enter your choice (1-4): 1
Enter value to enqueue: 345
345 enqueued to queue.

--- Queue Operations Menu ---
1. Enqueue
2. Dequeue
3. Display
4. Exit
Enter your choice (1-4): 1
Enter value to enqueue: 456
456 enqueued to queue.

--- Queue Operations Menu ---
1. Enqueue
2. Dequeue
3. Display
4. Exit
Enter your choice (1-4): 2
123 dequeued from queue.

--- Queue Operations Menu ---
1. Enqueue
2. Dequeue
3. Display
4. Exit
Enter your choice (1-4): 3
Queue elements are:
345
456


--- Queue Operations Menu ---
1. Enqueue
2. Dequeue
3. Display
4. Exit
Enter your choice (1-4): 4
Exiting program. Goodbye!
```