```
class Node:
    def __init__(self,
data):
        self.data = data
        self.next = None
class Queue:
    def __init__(self):
        self.front = None
        self.rear = None

    def enqueue(self,
value):
        new_node =
Node(value)
        if self.rear is
None:
            self.front =
self.rear = new_node
        else:
            self.rear.next =
new_node
            self.rear =
new_node
        print(f"{value}
enqueued to queue.")


    def dequeue(self):
        if self.front is
None:
            print("Queue is
EMPTY! Cannot dequeue.")
        else:
            removed =
self.front.data
            self.front =
self.front.next
            if self.front is
None:
                self.rear =
None

print(f"{removed} dequeued
from queue.")

    def display(self):
        if self.front is
None:
            print("Queue is
EMPTY!")
        else:
            print("Queue
elements are:")
            temp =
self.front
            while temp is
not None:

print(f"{temp.data} --> ",
end="")
                temp =
temp.next
            print("NULL")

queue = Queue()

while True:
    print("\n--- Linked List
Queue 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: ")
        queue.enqueue(value)
    elif choice == '2':
        queue.dequeue()
    elif choice == '3':
        queue.display()
    elif choice == '4':
        print("Exiting
program. Goodbye!")
        break
    else:
        print("Invalid
choice. Please try again.")
```

OUTPUT:

1. Enqueue

2. Dequeue

3. Display

4. Exit

Enter your choice (1-4): 1

Enter value to enqueue: 1

1 enqueued to queue.

--- Linked List Queue Menu ---

1. Enqueue

2. Dequeue

3. Display

4. Exit

Enter your choice (1-4): 1

Enter value to enqueue: 2

2 enqueued to queue.

--- Linked List Queue Menu ---

1. Enqueue

2. Dequeue

3. Display

4. Exit

Enter your choice (1-4): 1

Enter value to enqueue: 3

3 enqueued to queue.

--- Linked List Queue Menu ---

1. Enqueue

2. Dequeue

3. Display

4. Exit

Enter your choice (1-4): 2

1 dequeued from queue.

--- Linked List Queue Menu ---

1. Enqueue

2. Dequeue

3. Display

4. Exit

Enter your choice (1-4): 3

Queue elements are:

2 --> 3 --> NULL

--- Linked List Queue Menu ---

1. Enqueue

2. Dequeue

3. Display

4. Exit

Enter your choice (1-4): 4

Exiting program. Goodbye!