**STACK**

1. Stack is a

(a) LIFO

(b) FIFO

(c) FILO

(d) LILO

2. Which function places an element on the stack?

(a) Pop()

(b) Push()

(c) Peek()

(d) isEmpty()

3. Disks piled up one above the other represent a

(a) Stack

(b) Queue

(c) Linked List

(d) Array

2. Stack is used in a non-recursive implementation of a recursive algorithm.

4. Underflow takes when the stack is empty, and you try to pop or peek.

6. Whenever there is a pending operation to be performed, the function becomes tail recursive.

**QUEUE**

1. A line in a grocery store represents a

(a) Stack

(b) Queue

(c) Linked List

(d) Array

2. In a queue, insertion is done at

(a) Rear

(b) Front

(c) Back

(d) Top

3. The function that deletes values from a queue is called

(a) enqueue

(b) dequeue

(c) pop

(d) peek

**Program Question:**

Please write a C program that implements a queue using two stacks, where the stacks are represented by linked lists.