**Phase 1 Practice Project – Assisted Practice**

**9 . Write a program in java to insert and remove elements in a queue**

**Source Code:**

**package** slm3;

**import** java.util.LinkedList;

**import** java.util.Queue;

**public** **class** QueueExample {

**public** **static** **void** main(String[] args) {

Queue<Integer> queue = **new** LinkedList<>();

// Insert elements into the queue

queue.offer(18);

queue.offer(23);

queue.offer(32);

queue.offer(49);

System.***out***.println("Queue after inserting elements: " + queue);

// Remove elements from the front of the queue

**int** removedElement = queue.poll();

System.***out***.println("Removed element: " + removedElement);

System.***out***.println("Queue after removing an element: " + queue);

// Get the front element without removing it

**int** frontElement = queue.peek();

System.***out***.println("Front element without removing: " + frontElement);

}

}

**Output:**

