Midterm Exam Problem Statement

Scenario: Hospital Emergency Queue System

Name: Momina Imran

BS AI -A

DS LAB MID TERM EXAM

Q1. (Implementation / Logic)

Cpp.file

Q2. (Dry Run / Trace)

MID TERM EXAM
Scenario: Hospital Emergency Queve System
Name: Momina Imran BSAL-A "DS LAB EXAM"
Question s 2 Dry Run
1. Insert At End (101)-null < 101>null 2. Insert At End (102)-null < 101 ≥ 102>null
3. Insert At Begining (200) - null - 2002 1012 102> null 4. Insert At Bishim (150, 2) -null - 2002 (502 1012 102> null
5. Delote Rom Beginning () -200(deloted)-nell=150=101=102>,
6. 9need At end (300) -null<150≥ 101≥ 102≥ 300> null Head →150 ≥ 101≥ 102 = 300 ← Tail
• Answer After step 6 : (9) Head patient 1D: 150 (b) Tail patient 1D: 300 (c) Forward (head - Tail) : 150, 101, 102, 300 (d) Backward (tail ->had): 300, 102, 101, 150

Q3. Design the poster



