

Lab 4: Develop Hospital Queue using Priority Queue

Implement Hospital Emergency Queue to cater services to the patients as

- Serious (Top Priority)
- Non-Serious (Medium Priority)
- General Checkup (Least Priority)

Tasks:

1. Insert patient details with assigned priority in priority Queue
2. Delete served patients from priority queue
3. Find the highest-priority patient – Retrieve the task with the highest priority efficiently.

Reference Links

1. https://www.simplilearn.com/tutorials/data-structure-tutorial/priority-queue-in-data-structure#priority_queue_operations
2. <https://www.wscubetech.com/resources/dsa/priority-queue-data-structure>

Submission Guidelines:

Upload the code file (.java/.cpp/.py) and a report (PDF).

Ensure the code is well-commented and modular.