

DSA using Python

Priority Queue



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Agenda

- ① What is a Priority Queue?
- ② Operations on Priority Queue
- ③ Implementation of priority Queue

Priority Queue

A priority queue is a collection of elements such that each element has been assigned a priority.

The order of elements are deleted and processed comes from the following rules

- An element of higher priority is processed before any element of lower priority
- Two elements with the same priority are processed according to the order in which they were added in the priority queue.

Operations on Priority Queue

push()

pop()

is_empty()

size()

Implementation of priority queue

- ① Using linked list Concept
- ② Using list
- ③ Using heap (we will see later)