

CSCI 204 Priority Queue Exercise Extra

1. For those who have completed the Activity 23 (Priority queue), please do the following exercises.
 - a. Revise your implementation of the queue such that the items with the same priority will be inserted into the queue in a FIFO manner. For example, if we use the following dictionary as data,
d = {"apple":2, "orange":1, "banana":2, "pear":4, ...}
then when inserting these items into the priority queue, "apples" should have the high priority (more preferred) than "banana."
2. Revise your priority queue implementation so that it becomes a bounded priority queue with a fixed range of priority of n, where n is an integer. Typically this can be implemented using an array (or a Python list) of priority queues. All items with the same priority are inserted into the same queue.