**CSCI 204 Priority Queue Exercise Extra**

1. For those who have completed the Activity 23 (Priority queue), please do the following exercises.
   1. 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) then “banana.”

1. 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.