LAPORAN PRAKTIKUM ALGORITMA STRUKTUR DATA

MODUL 8

"STACK AND QUEUE"

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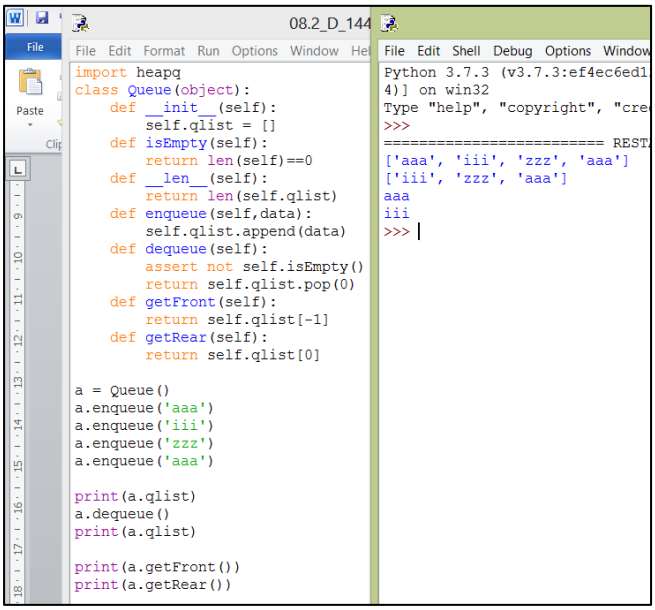
Soal-soal untuk Mahasiswa

>> Queue

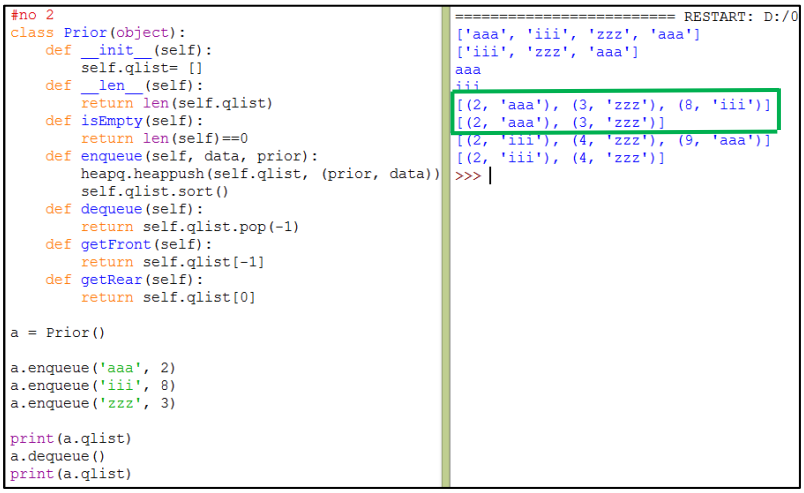
4. Tulis dua metode berikut ke class Queue dan class PriorityQueue diatas

Metode untuk mengetahui item yang paling depan tanpa menghapusnya dan Metode untuk mengetahui item yang paling belakang tanpa menghapusnya

- Queue



- PriorityQueue



5. Pada class PriorityQueue diatas, metode dequeue() belum diimplementasikan. Tulislah metode dequeue() ini dengan memperhatikan syarat-syarat seperti yang telah dicantumkan di halaman 81

```
print(a.qlist)

#no 3
class Priority(object):
    def __init__(self):
        self.qlist= []
    def __len__(self):
        return len(self.qlist)
    def isEmpty(self):
        return len(self)==0
    def enqueue(self, data, prior):
        heapq.heappush(self.qlist, (prior, data))
        self.qlist.sort()
    def dequeue(self):
        return self.qlist.pop(-1)

a = Priority()

a.enqueue('aaa', 9)
a.enqueue('iii', 2)
a.enqueue('zzz', 4)

print(a.qlist)
a.dequeue()
print(a.qlist)
```

```
========== RESTART: D:/08
['aaa', 'iii', 'zzz', 'aaa']
['iii', 'zzz', 'aaa']
aaa
iii
[(2, 'aaa'), (3, 'zzz'), (8, 'iii')]
[(2, 'aaa'), (3, 'zzz')]
[(2, 'iii'), (4, 'zzz'), (9, 'aaa')]
[(2, 'iii'), (4, 'zzz')]
>>>
```