

Priority Queue

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0.0.1 Using queue module

```
[ ]: from queue import PriorityQueue

q = PriorityQueue()

q.put(4)
q.put(2)
q.put(5)
q.put(1)
q.put(3)
```

```
[ ]: while not q.empty():
    next_item = q.get()
    print(next_item)
```

```
[ ]: from queue import PriorityQueue

q = PriorityQueue()

q.put((4, 'Read'))
q.put((2, 'Play'))
q.put((5, 'Write'))
q.put((1, 'Code'))
q.put((3, 'Study'))
```

```
[ ]: while not q.empty():
    next_item = q.get()
    print(next_item)
```

0.0.2 Using heapq module

```
[ ]: import heapq
q = []
heapq.heappush(q, (2, 'code'))
heapq.heappush(q, (1, 'eat'))
heapq.heappush(q, (3, 'sleep'))
```

```
while q:  
    next_item = heapq.heappop(q)  
    print(next_item)
```

[Read more on heapq](#)

[Read more on queue](#)

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