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#Program to demonstrate class priorityQueue(Object)

class prorityQueue(object):
    def __init__(self):
        self.queue=[]
    def __str__(self):
        return ' '.join([str(i)for i in self.queue])
    def isempty(self):
        return len(self.queue)==0
    def insert(self,data):
        self.queue.append(data)
    def delete(self):
        try:
            max_val=0
            for i in range(len(self.queue)):
                if self.queue[i]>self.queue[max_val]:
                    max_val=i

            item=self.queue[max_val]
            del self.queue[max_val]
            return item
        except IndexError:
            print()
            exit()

if __name__=="__main__":
    pq=prorityQueue()
    pq.insert(10)
    pq.insert(5)
    pq.insert(2)
    pq.insert(20)
    pq.insert(15)
    print("Element of Queue:\n",pq)
    print("Element of priority Queue:\n")
    while not pq.isempty():
        print(pq.delete())

****************************************OUTPUT**************************
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Element of Queue:
 10 5 2 20 15
Element of priority Queue:

20
15
10
5
2
```