

```
# Python3 program to implement Queue using  
# one stack and recursive call stack.
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```
class Queue:  
    def __init__(self):  
        self.s = []  
  
    # Enqueue an item to the queue  
    def enQueue(self, data):  
        self.s.append(data)  
  
    # Dequeue an item from the queue  
    def deQueue(self):  
        # Return if queue is empty  
        if len(self.s) <= 0:  
            print('Queue is empty')  
            return  
  
        # pop an item from the stack  
        x = self.s[len(self.s) - 1]  
        self.s.pop()  
  
        # if stack become empty  
        # return the popped item  
        if len(self.s) <= 0:  
            return x  
  
        # recursive call  
        item = self.deQueue()  
  
        # push popped item back to  
        # the stack  
        self.s.append(x)  
  
        # return the result of  
        # deQueue() call  
        return item
```