



# **IQRA NATIONAL UNIVERSITY**

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```

class Queue:
    def __init__(self):
        self.queue = []
        """ Add an element """
    def inqueue(self, element):
        self.queue.append(element)
        """ Remove an element """
    def outqueue(self):
        if len(self.queue) < 1:
            return None
        return self.queue.pop(0)
        """ Display the queue """
    def display(self):
        print (self.queue)
    def size(self):
        return len(self.queue)
print ("Adding an Elements:")
a = Queue()
a.inqueue(11)
a.inqueue(22)
a.inqueue(33)
a.inqueue(44)
a.inqueue(55)
a.inqueue(66)
a.inqueue(77)
a.display()
a.outqueue()
print("After Removing an Element:")
a.display()
a.outqueue()
print("After Removing an Other Element:")
a.display()

```

```
PythonI743ef
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/MAK/Desktop/nnnnnnnnn.py =====
Adding an Elements:
[11, 22, 33, 44, 55, 66, 77]
After Removing an Element:
[22, 33, 44, 55, 66, 77]
After Removing an Other Element:
[33, 44, 55, 66, 77]
>>>
```