

```
import heapq

nums = {4, 1, 7, 3}
nums = list(nums)
heapq.heapify(nums)
heapq.heappush(nums, 2)
print(nums)
```

→ [1, 2, 4, 7, 3]

```
from collections import deque
```

```
dq=deque ([1,2,3])
dq.append(4)
dq.appendleft(0)
dq.pop()
dq.popleft()
```

→ 0

```
class Stack:
    def __init__(self):
        self.stack = []

    def push(self, item):
        self.stack.append(item)

    def pop(self):
        return self.stack.pop() if self.stack else None

    def peek(self):
        return self.stack[-1] if self.stack else None
```

```
s = Stack()
s.push(10)
s.push(20)
print(s.peek())
print(s.pop())
print(s.pop())
print(s.pop())
```

→ 20
20
10
None

```
class Queue:
    def __init__(self):
        self.queue = []
```

```
def enqueue(self, item):
    self.queue.append(item)

def dequeue(self):
    return self.queue.pop(0) if self.queue else None
```

```
q = Queue()
q.enqueue(10)
q.enqueue(20)
q.enqueue(30)
print(q.dequeue())
print(q.dequeue())
print(q.dequeue())
print(q.dequeue())
```

```
↵ 10
   20
   30
   None
```

```
nums=[5,2,9,1]
print(sorted(nums))
nums.sort()
```

```
↵ [1, 2, 5, 9]
```

```
nums= [1,2,3,4]
print(3 in nums)
print(nums.index(3))
```

```
↵ True
   2
```

```
nums= [1,2,3,4]
print(sum(nums))
print(min(nums))
print(Max(nums))
```

```
↵ 10
   1
```

```
-----
NameError                                Traceback (most recent call last)
<ipython-input-14-0d4708171ea8> in <cell line: 4>()
      2 print(sum(nums))
      3 print(min(nums))
----> 4 print(Max(nums))
      5
```

```
NameError: name 'Max' is not defined
```

Next steps:

[Explain error](#)

Start coding or [generate](#) with AI.

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