Files
process already open file
enumerate

for word in list:
something

for (word, index) in enumerate(list):
    if word[0] == 'a':
        return index
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```python
alist = [6, 8, 6, 3]
aset = set(alist)
    # unique elements
    # unordered elements
alist = list(aset)
print alist
output: [3, 8, 6]
also an answer

X print alist, sorted()
print sorted(alist)
output [3, 6, 8]
```
def sort_list():
    print(alist)

    d = {3: a: 20, 1: 60, x: 40}

    for (key, value) in d.items():
        make a dictionary from d
        of numbers to letters
        works only if d's values
        are unique

    d2 = {}

    for (letter, number) in d.items():
        d2[number] = letter

    print(d2)

    # Output: don't know order
    d2 = {20: 'a', 40: 'x', 60: 'd'}
d['e'] = 40

print d

{ 'e': 40, 'a': 20, 'x': 40, 'd': 60 }

Build d3 as a dictionary from this d. d3 is a map of numbers to list of letters.

d3 = {}

for (letter, number) in d3.items():
    if number in d3.keys():
        # already has a list
        d3[number].append(letter)
    else: # no list yet
        d3[number] = [letter]
```python
d = ...

max_key = ""
max_length = 0
for (key, value) in d.items():
    if len(value) > max_length:
        # new max
        max_key = key
        max_length = len(value)

return (max_key, d[max_key])
```

```
max_size = max([len(value) for (key, value) in d.items()])
max_size = max([len(value) for value in d.values()])
```