

```
In [ ]: L = eval(input('Enter a list of at least 5 items: '))
print('(a) Number of items:', len(L))
print('(b) Fourth item:', L[3])
print('(c) Last 3 items:', L[-3:])
print('(d) Everything but first 2 items:', L[2:])
print('(e) Reversed:', L[::-1])
print('(f) Largest:', max(L), ' Smallest:', min(L))
print('(g) Sum:', sum(L))
if 0 in L:
    print('(h) First zero is at:', L.index(0))
else:
    print('(h) No zeroes in the list.')
L.sort()
print('(i) Now sorted:', L)
del L[0]
print('(j) After deleting first item:', L)
L[-2] = 9876
print('(k) After changing second-to-last item:', L)
L.append(-500)
print('(l) After appending -500 to list:', L)
```

```
In [ ]: L = eval(input('Enter a list: '))
best = 0
for i in range(len(L)):
    if L[i] < L[best]:
        best = i
print('Smallest item is', L[best], 'first occurring at index', best)
```

```
In [ ]: s = input('Enter a string of lowercase letters: ')
alphabet = 'abcdefghijklmnopqrstuvwxyz'
L = []
for c in alphabet:
    L.append(s.count(c))
print(L)
```

```
In [ ]: d = {'abc':7, 'def':11, 'ghi':13, 'jkl':17, 'mno':19}
print(d['def'])
print(list(d.keys()))
for k in d:
    print(k, d[k])
if 'prq' in d:
    print('Yes')
else:
    print('No')
d['abc'] = 23
print(list(d.values()))
```