

ITERATING OVER A LIST

- compute the **sum of elements** of a list
- common pattern, iterate over list elements

```
total = 0
for i in range(len(L)):
    total += L[i]
print total
```

```
total = 0
for i in L:
    total += i
print total
```

like strings,
can iterate
over list
elements
directly

- notice
 - list elements are indexed 0 to $\text{len}(L) - 1$
 - `range(n)` goes from 0 to $n-1$