

# ITERATING OVER A LIST

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- 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  $\text{len}(L) - 1$
  - $\text{range}(n)$  goes from 0 to  $n - 1$