

Loop Techniques

```
for i in range(len(colors)):
    color = colors[i]
    name = names[i]
    print(color, name)

for ind in range(len(elems) - 1,
                 -1, -1):
    print(elems[ind])
```

```
for color, name in zip(colors,
                       names):
    print(color, name)

for elem in reversed(elems):
    print(elem)
```

Loop Unpacking

```
for bundle in zip([1,2,3], 'abc'):  
    num, let = bundle  
    print(let * num)
```

```
for key in d:  
    val = d[key]  
    print('{}: {}'.format(key,  
                           val))
```

```
for num, let in  
zip([1,2,3], 'abc'):  
    print(let * num)
```

```
for key, val in d.items():  
    print('{}->{}'.format(key,  
                           val))
```