

#DictionaryComprehensions

for in

for in

#SetComprehensions

for in

for in if in if

Other Comprehensions

Dictionary Comprehensions

```
{key_func(vars):val_func(vars) for vars in iterable}
```

```
{v:k for k, v in d.items()}
```

Set Comprehensions

```
{func(vars) for vars in iterable}
```

```
{word for word in hamlet if is_palindrome(word.lower())}
```

Comprehensions as Higher-Level Transformations