

## Dictionary Comprehensions

```
In [1]: animalList = [('a', 'aardvark'), ('b', 'bear'), ('c', 'cat'), ('d', 'dog')]
animals = {item[0]: item[1] for item in animalList}
animals
```

```
Out[1]: {'a': 'aardvark', 'b': 'bear', 'c': 'cat', 'd': 'dog'}
```

```
In [4]: animals = {key: value for key, value in animalList}
animals
```

```
Out[4]: {'a': 'aardvark', 'b': 'bear', 'c': 'cat', 'd': 'dog'}
```

```
In [5]: animals.items()
```

```
Out[5]: dict_items([('a', 'aardvark'), ('b', 'bear'), ('c', 'cat'), ('d', 'dog')])
```

```
In [6]: list(animals.items())
```

```
Out[6]: [('a', 'aardvark'), ('b', 'bear'), ('c', 'cat'), ('d', 'dog')]
```

```
In [7]: [{'letter': key, 'name': value} for key, value in animals.items()]
```

```
Out[7]: [{'letter': 'a', 'name': 'aardvark'},
{'letter': 'b', 'name': 'bear'},
{'letter': 'c', 'name': 'cat'},
{'letter': 'd', 'name': 'dog'}]
```

```
In [ ]:
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