

Define Lists and Tuples in Python

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Lists

To define a list of elements in Python we use:

```
>>> list = ['element1', 'element2', 'element3']
```

Then we can print the list:

```
>>> print list
['element1', 'element2', 'element3']
```

or, we can print an element of the list:

```
>>> print list[1];
element2
```

To print a range of elements we use:

```
>>> print list[0:2];
['element1', 'element2']
```

Tuples

To define a tuple:

```
>>> tuple = ('elem1', 100, 'elem2', 200, 'elem3', 300)
```

To print the tuple:

```
>>> print tuple
('elem1', 100, 'elem2', 200, 'elem3', 300)
```

```
>>> print tuple[0]
elem1
```

Dictionaries

To define a dictionary (key, value pair):

```
>>> dict = {'cat': 'gato', 'mouse': 'raton', 'dog': 'perro', 'chicken': 'pollo'}
```

To print a value:

```
>>> print dict['cat']
gato
```