CUCaTS Python Cheatsheet

Datatype Example

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Integers	5
Floats	9.6
Booleans	True and False
Strings	"Hello world!"
Lists	[4, 8, 15, 16, 23, 42]
	["first", "second"]
	[[], "some text", 99]
Dictionaries	{"Alice": 42, "Bob": 40}

Operations

Variables

Labels onto values. Names must consist only of letters, digits and underscores. Cannot start with a digit or have spaces. They are case sensitive.

Control flow

```
for ___ in ___:

if ___:

elif ___:

else:
```

Functions

```
def ___(__):
    return ___
```

Lists and Strings

Common methods

```
list.append(item)
list.reverse()
list.remove(item)

string.split(separator)
string.capitalize()
string.upper()
string.lower()
string.find(substring)
```

Dictionaries

An example:

```
ages = {"Alice": 42, "Bob": 40}
Indexing:
```

```
>>> ages["Bob"]
40
```

Keys:

```
>>> ages.keys()
dict_keys(['Alice', 'Bob'])
```

Adding or changing items:

```
>>> ages.update({"Charlie": 1})
```