



LIST

LIST

- »» Lists are one of the most common ways of storing data
- »» list can contain multiple items in a single variable
- »» These are defined in square brackets []
 - »» `fruits = ["apple", "banana", "pineapple", "orange"]`
- »» Lists have many of the same operations as strings have, for example
 - »» `fruits[::-1] = ['orange', 'pineapple', 'banana', 'apple']`
 - »» `fruits[1:3] = ['banana', 'pineapple']`
 - »» `fruits[0] = "apple"`

LISTS

- »» Empty list: []
- »» Every element has a **position**, which it can be referred to.
- »» Accessing elements: `my_list[0]` is the first element and `my_list[-1]` is the last
- »» In fact, lists are indexed similarly as strings and everything we have learned about string indexes holds also for lists. For example:

```
>>> original_list = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
>>> sliced_list = original_list[2:6]
>>> print(sliced_list)
[2, 3, 4, 5]
```



ITERATING OVER LISTS

»» How to iterate over lists?

»» See File: L6E3.py