

## String analysis

- **len()** is used to find the length of string, array, etc.
- **in** is used to check if a letter in a string or an element in an array, etc.

[https://github.com/JasonWang19/cacc\\_python/blob/master/week6/string\\_analysis.py](https://github.com/JasonWang19/cacc_python/blob/master/week6/string_analysis.py)

## index of string

index can be used to access a letter in a string. Index can be positive (count from beginning) and negative (count backward from end).

[https://github.com/JasonWang19/cacc\\_python/blob/master/week6/random\\_access.py](https://github.com/JasonWang19/cacc_python/blob/master/week6/random_access.py)

## Immutable string

String is immutable.

```
>>> word = "test "  
>>> word[0] = "l "
```

## String Slicing

You can make copies of continuous sections of elements (called *slices*).

[https://github.com/JasonWang19/cacc\\_python/blob/master/week6/pizza\\_slicing.py](https://github.com/JasonWang19/cacc_python/blob/master/week6/pizza_slicing.py)

## homework

1. Create a program that gets a message from the user and then prints it out backwards.