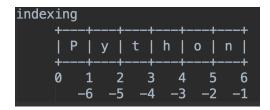
String slicing refers to getting a subset of the characters in a string. Keep the below indexing in mind,



You can say "thon" is a slice of string "Python". So is, "ython", "t", "Pytho" etc. We can use the **operator** ":" to get a slice of the string.

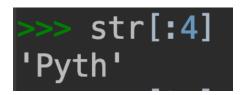
Examples,

1. the ":" operator can be used as below



Here I have given "2:4" as the index which means get all characters starting at index 2 (including) till index 4 (excluding).

2. See another example where if the starting position is missing,



As you can see when the starting position is missing, it's considered as starting from index "0".

3. Another one where the ending position is missing



As we followed in last class.

- 1. Please create a git branch called "feature_slicing_ooperations".
- 2. Rebase your repo in pycharm
- 3. Checkout the feature branch you created in pycharm
- Then create a new python file called "string_slicing_operations.py"

Create a python program to do the below string slicing operations,

- 1. Program should accept a string value while running
- 2. Find out the slice of that string after removing first and last character
- 3. Find out the slice of the string after removing the first 2 characters
- 4. Find out the slice of the string after removing the last 2 characters
- 5. Slice the string in the middle and display both strings.
 - a. If the length of the string is an odd number one of the slice will be one character more than the other.

```
Enter a string value:

Note of 'hello' after removing first and last character 'ell'

Slice of 'hello' after removing first 2 characters 'llo'

Slice of 'hello' after removing last 2 characters 'hel'

Slice of 'hello' after removing last 2 characters 'hel'

Mid index is 2

First half slice of 'hello' is 'he'

Second half slice of 'hello' is 'llo'

Second half slice of 'Python' is 'Python' is 'Pyt'

Second half slice of 'Python' is 'hon'
```