

Exercises with String Manipulation – Unit 2.2

There exercises focus on some simple String Manipulation.

- Concatenation (+)
- Multiplication (*)
- Slices
- Escape sequences
- len()
- String Methods
 - upper
 - lower
 - find
 - replace
 - count

Create Python programs to do the following:

1. Get the user's full name with one `raw_input` and display the name as last, first

Save as stringEx1.py

2. Get a file name from the user and display just the extension.

Save as stringEx2.py

3. Get a sentence from the user and display it back with one word per line.

Save as stringEx3.py

4. Get a number from the user (n) and create an n x n box of "X"es on the screen. e.g. If they entered 12:

```
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
```

Save as stringEx4.py

5. Without using the method `center`, get a string from the user and a field size then display the string centered within that field, with dots "." on either side. You may assume that the field size is larger than the length of the string.

Save as stringEx5.py

6. Get a string from the user and display how many capital letters are in the string. With what we know now this is not an easy question. When we learn more this will become easier, but try it for now.

Save as stringEx6.py