In-class assignment:

1. type in the following in the interactive window to see the result. Your goal is to understand what happens and why such result is produced.

```
>>> s = "Interstellar"
>>> s[6:10]

>>> s[5:]

>>> s[::-1]

>>> s

>>> s[0:5] + "com"

>>> L = [1,2,3,4,5,6,7,8,9,10]

>>> L[1::2]

>>> for item in L:
        if item % 2 == 1:
            print(item)
```

2. Write a program that asks for two words from the user, then produces:
concatenated string with star in between the words (first word followed by * and then by the second word), reversed; also it should print the length of the resulting string.

Example:
Enter a word: lamb
Enter another word: true
Result: uert*bmal
Length: 9

3. Write a program that asks the user to input a sentence, and then displays a letter by letter of this sentence (each letter is on new line).   H**int**: *use for loop*
For example: Hello Mary   produces:
H
e
l
l
0

M
a
r
y