Control Structures + Lists and Loops

Practice 1

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1. Finding Sum of Positive Integers in list



- Make a function P1 that takes a list consisting of only integers as input, adds only the positive integers among the elements of the list, and returns the sum.
- Conditions
- 1. The input list consists only of integers.
- 2. Return 0 if there are no positive integers in the list.

```
■ Ex 1)
>>> P1([1, 2, -3])
-> 3
```

```
■ Ex 2)
>>> P1([-1, 0])
-> 0
```

2. Print stars



- Make a function that print stars as below.
 - (1) star_flag(n) (n is a positive number) def star_flag(n: int) -> None:
 - (2) star_Z(n) (n>2) def star_Z(n: int) -> None:

star_flag(3) *	star_flag(5) *
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3. Nested List



- Make a function P3 that receives a nested list as an input and returns a list that satisfies the conditions below.
- Conditions
- 1. The input list is looks like [[word, length]]
- 2. Words consist only of lower case letters
- 3. Collect words from the input list and return as a list
- 4. The list must be alphabetically ordered

```
    Ex 1)
        >>> P3([['apple', 5],['banana', 6]])
        -> ['apple', 'banana']

    Ex 2)
        >>> P3([['cup', 3], ['ace', 3], ['nice', 4], ['good', 4]])
        -> ['ace', 'cup', 'good', 'nice']
```



Thanks!

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