

計算機概論與程式設計

Lab 9 (Week 11)

Due date: 2020/11/26(Tur.) 23:55

1.

We provide a list that contains several kinds of animals in the zoo. However, there are two kinds of animal missing, which are 'monkey' and 'seal'. Please put them into the following list according to the arrangement. BTW, the list also contains something strange. Please help us remove those strange elements.

```
zoo = ['bear', 'dog', 'dolphin', 'elephant', 'fox', 'lion',  
'lollipop', 'penguin', 'potato', 'polar bear', 'snake', 'tiger']
```

2.

```
'Overturning elections sounds like the stuff of secret deals in  
smoke-filled rooms, but President Donald Trumps not even trying to  
hide his effort to subvert the results of the election as  
President-elect Joe Bidens margin widens to more than 6 million  
votes. Trumps efforts to deny Biden the White House traveled from  
the courts to state legislatures on Friday with Trumps personal  
reception with Republican lawmakers from Michigan -- and their  
counterparts in Pennsylvania may be next on the list. But there  
were signs, even among Republicans, that Trumps efforts need some  
evidence. As legislative leaders, we will follow the law and  
follow the normal process regarding Michigans electors, just as we  
have said throughout this election, Michigan Senate Majority  
Leader Mike Shirkey and Michigan House Speaker Lee Chatfield said  
in a joint statement after their meeting at the White House.'
```

Please split the topic above into words and sort them in reverse order and print it. Then, you should output a dictionary which contains how many times the first alphabets of each keyword appear.

Sample output:

```
['with', 'with', 'will', 'widens', 'were', 'we', 'we',
```

'votes.Trumps', 'trying', 'traveled', 'to', 'to', 'to', 'to',
'to', 'throughout', 'this', 'there', 'their', 'their', 'the',
'the', 'the', 'the', 'the', 'the', 'the', 'the', 'the', 'that',
'than', 'subvert', 'stuff', 'statement', 'state', 'sounds',
'some', 'smoke-filled', 'signs,', 'secret', 'said', 'said',
'rooms,', 'results', 'regarding', 'reception', 'process',
'personal', 'on', 'on', 'of', 'of', 'not', 'normal', 'next',
'need', 'more', 'million', 'meeting', 'may', 'margin', 'list.',
'like', 'legislatures', 'legislative', 'leaders,', 'lawmakers',
'law', 'just', 'joint', 'in', 'in', 'in', 'his', 'hide', 'have',
'from', 'from', 'follow', 'follow', 'evidence.', 'even', 'even',
'electors,', 'elections', 'election,', 'election', 'efforts',
'efforts', 'effort', 'deny', 'deals', 'courts', 'counterparts',
'but', 'be', 'at', 'as', 'as', 'and', 'and', 'and', 'among',
'after', 'a', 'White', 'White', 'Trumps', 'Trumps', 'Trumps',
'Speaker', 'Shirkey', 'Senate', 'Republicans,', 'Republican',
'President-elect', 'President', 'Pennsylvania', 'Overturning',
'Mike', 'Michigans', 'Michigan', 'Michigan', 'Michigan',
'Majority', 'Lee', 'Leader', 'Joe', 'House.', 'House', 'House',
'Friday', 'Donald', 'Chatfield', 'But', 'Bidens', 'Biden', 'As',
'6', '--']

{ 'w': 7, 'v': 1, 't': 23, 's': 11, 'r': 4, 'p': 2, 'o': 4, 'n': 4,
'm': 5, 'l': 7, 'j': 2, 'i': 3, 'h': 3, 'f': 4, 'e': 10, 'd': 2,
'c': 2, 'b': 2, 'a': 9, 'W': 2, 'T': 3, 'S': 3, 'R': 2, 'P': 3,
'O': 1, 'M': 6, 'L': 2, 'J': 1, 'H': 3, 'F': 1, 'D': 1, 'C': 1,
'B': 3, 'A': 1, '6': 1, '-': 1 }