



11.26

LAB

LAB HOUR: 18:30-21:30

EXERCISE 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']
```

EXERCISE 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.'

EXERCISE 2

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.

EXERCISE 2 Sample

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}
```