

제어지능SW개발

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A

이한결

5주차 과제

1번 출력창

```
week5-1.py × week5-2.py testtesttest.py ● textlasttest.py ● testlast.py
week5-1.py > ...
1  # -*- coding: utf-8 -*-
2
3  text = list(input("문자열 입력! : "));
4  for i in range(len(text)):
5      if i+1 == len(text):
6          break;
7      for j in range(len(text)):
8          if j+1 == len(text):
9              break;
10             elif text[j] >= text[j+1]:
11                 text[j], text[j+1] = text[j+1], text[j]
12
13  lastText = list(text)
14
15  for i in range(len(text)):
16
17      dic = text[i];
18      a = 0;
19
20      if i == 0:
21          for j in range(len(text)):
22              if text[i] == text[j]:
23                  a += 1;
24              lastText[i] = {dic : a};
25
26      elif text[i] == text[i-1]:
27          lastText[i] = ...

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
f
→ college-python git:(master) x /usr/local/bin/python3 /Users/hangyoellee/Documents/private/c
k5-1.py
문자열 입력! : helloWorld!!
! : 2
W : 1
d : 1
e : 1
h : 1
l : 3
o : 2
r : 1
→ college-python git:(master) x /usr/local/bin/python3 /Users/hangyoellee/Documents/private/c
k5-1.py
문자열 입력! : professor
e : 1
f : 1
o : 2
p : 1
r : 2
s : 2
→ college-python git:(master) x
```

1번 작성 코드 :

```
text = list(input("문자열 입력! : "));
for i in range(len(text)):
    if i+1 == len(text):
        break;
    for j in range(len(text)):
        if j+1 == len(text):
            break;
        elif text[j] >= text[j+1]:
            text[j], text[j+1] = text[j+1], text[j]

lastText = list(text)

for i in range(len(text)):

    dic = text[i];
    a = 0;

    if i == 0:
        for j in range(len(text)):
            if text[i] == text[j]:
                a += 1;
        lastText[i] = {dic : a};

    elif text[i] == text[i-1]:
        lastText[i] = "";
        continue;
```

```
else:
```

```
    for j in range(i, len(text)):
```

```
        if text[i] == text[j]:
```

```
            a += 1;
```

```
    lastText[i] = {dic : a};
```

```
num1 = 0;
```

```
for i in lastText:
```

```
    if len(i) == 0:
```

```
        continue;
```

```
    else:
```

```
        num1 += 1;
```

```
newText = [0 for i in range(num1)]
```

```
num2 = 0
```

```
for i in lastText:
```

```
    if len(i) == 0:
```

```
        continue;
```

```
    else:
```

```
        newText[num2] = i;
```

```
        num2 += 1;
```

```
dic1 = {}
```

```
for i in newText:
```

```
    count1 = 0
```

```
for j in i:  
    dic1[j] = i[j]  
for i in dic1:  
    print(i, dic1[i], sep=' : ')
```

1. 입력받은 문자열 -> 사전 순서 정리 : 4주차 과제
2. For문으로 같은 문자 갯수만큼 딕셔너리로 선언
3. For문으로 같은 문자 갯수만큼 딕셔너리로 선언

2번 출력창

[illegible]

2번 작성 코드 :

```
text = list(input("문자열 입력! : "));
for i in range(len(text)):
    if i+1 == len(text):
        break;
    for j in range(len(text)):
        if j+1 == len(text):
            break;
        elif text[j] >= text[j+1]:
            text[j], text[j+1] = text[j+1], text[j]

lastText = list(text)

for i in range(len(text)):

    dic = text[i];
    a = 0;

    if i == 0:
        for j in range(len(text)):
            if text[i] == text[j]:
                a += 1;
        lastText[i] = {dic : a};

    elif text[i] == text[i-1]:
        lastText[i] = "";
        continue;
```

```
    else:
        for j in range(i, len(text)):
            if text[i] == text[j]:
                a += 1;

        lastText[i] = {dic : a};

num1 = 0;
for i in lastText:
    if len(i) == 0:
        continue;
    else:
        num1 += 1;

newText = [0 for i in range(num1)]

num2 = 0
for i in lastText:
    if len(i) == 0:
        continue;
    else:
        newText[num2] = i;
        num2 += 1;

# print(newText)

dic1 = newText;
dic2 = {}
list1 = {}
```



```
for i in dic1:

    count1 = 0

    for j in i:

        list1[j] = i[j]


for i in list1:


    for j in i:

        # j->>>>>>>>>>>>>>>>>>>>>>>>>key 값 가져오기

        dic2[i] = list1[i]

# print(dic2)

newDic = {};

for i in dic2:

    if i == ' ':

        continue;

    else:

        newDic[i] = dic2[i]

# print(newDic)

most = 0;

length = 0

for i in newDic:

    length += 1;

    for j in i:

        #i[j]->>>>>>>>>>>>>>>>>>>>>>>>>value 값 가져오기

        if newDic[i] >= most:

            most = newDic[i]
```

```

        # print(i)

lenNum = [0 for i in range(length)]

obj = 0;

for i in newDic:
    lenNum[obj] = i
    obj += 1;

# print(lenNum)


for i in range(most):
    a = 0;
    cp = 0;
    for j in newDic:
        if newDic[j] >= cp:
            cp = newDic[j]
    for k in newDic:
        if newDic[k] == cp:
            print(k, end="")
            newDic[k] -= 1;
        else: print(' ', end="")
    #     print(lenNum[a], end=' ')
    #     a += 1;

    print("")

```

1. 1번 문제에서 딕셔너리에 저장하는 것 까지 동일
2. 딕셔너리의 key값이 '' (띄어쓰기) 인경우 제거
3. Value값이 가장 높은 key값을 출력, 다른 key값은 '' (빈칸)으로 출력