

Week 10

Given list=Input: strs = ["eat", "tea", "tan", "ate", "nat", "bat"]

Histogram for “eat”

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Key = 100010000000000000001000000

Value =” eat”

Histogram for “tea”

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Key = 100010000000000000001000000

Value =” tea”

Histogram for “tan”

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0

Key = 1000000000000010000001000000

Value =" tan"

Histogram for "ate"

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Key = 100010000000000000001000000

Value = "ate"

Histogram for "nat"

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0

Key = 1000000000000010000001000000

Value = "nat"

Histogram for "bat"

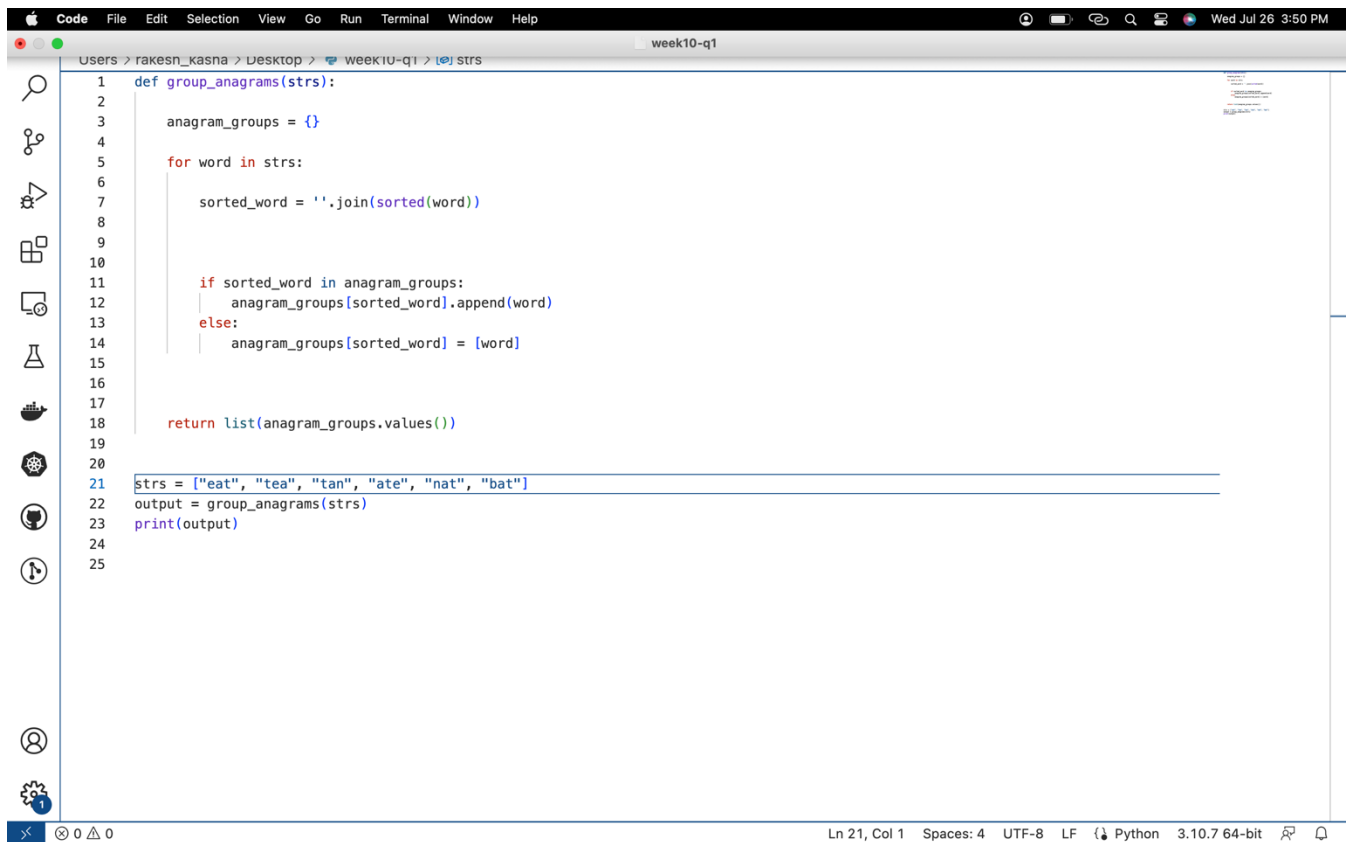
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Key = 110000000000000000001000000

Value="bat"

Final answer is

Output : [["bat"],["nat", "tan"],["ate", "eat", "tea"]]



CodeFileEditSelectionViewGoRunTerminalWindowHelp

Users > rakesh_kasha > Desktop > week10-q1 > strs

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```
    if sorted_word in anagram_groups:
        anagram_groups[sorted_word].append(word)
    else:
        anagram_groups[sorted_word] = [word]

    return list(anagram_groups.values())

strs = ["eat", "tea", "tan", "ate", "nat", "bat"]
output = group_anagrams(strs)
print(output)
```

Python + -

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

```
/usr/local/bin/python3 /Users/rakesh_kasha/Desktop/week10-q1
(base) rakesh_kasha@Rakesh-kashas-MacBook-Pro ~ % /usr/local/bin/python3 /Users/rakesh_kasha/Desktop/week10-q1
[['eat', 'tea', 'ate'], ['tan', 'nat'], ['bat']]
(base) rakesh_kasha@Rakesh-kashas-MacBook-Pro ~ %
```

<> 0 0 0

Ln 21, Col 1Spaces: 4UTF-8LFPython 3.10.7 64-bit

