

Forum:[Hack Forums](#)

Thread: [Hey guys I got a question about dictionaries!](#)

twistingtide - March 21, 2017, 11:57 pm

So here is my situation

1. I am given a file with multiple paragraphs of random text.
2. A new paragraph is specified by a empty line or \n of course
3. I need to read through the file and separate each paragraph from each other, and I would like to make a dictionary
4. So I want the key in my dictionary to be the paragraph number
5. Then the value to be a list of each line in that paragraph.

example of output below (by the way '#'s' are comments so I can help explain what I want)

#File 1:

```
#paragraph 1
'hey my name is joe'
'I am from the US'
'I love to play sports'
\n
\n
#paragraph 2
'what do you like to do?'
'where are you from'
\n
\n
```

So that is the text file example

This is kind of what I want to do:

```
d = {}
```

```
d ={paragraph1 : [['hey my name is joe'], ['I am from the US'], ['I love to play sports']], paragraph2 :
[['what do you like to do?'],['where are you from']]}
```

But since I wont know how many paragraphs are in the file, nor will I know how many lines are in the paragraph, how can I read the file create a standard key value such as paragraph and every time a new paragraph appears increment it by one....I imagine you will use a loop to do this.

hunter24957 - March 22, 2017, 4:24 am

Here you go!

PHP Code

```
<?php
```

```
def open_file(filename):  
    with open(filename, 'r') as f:  
        return {'paragraph ' + str(int(key + 1)):paragraph.split('\n') for key, paragraph in enumerate(f.  
read().split('\n\n'))}
```

```
if __name__ == '__main__':  
    output = open_file(filename='textfile.txt')  
    print(output)
```

Output:

Code {'paragraph 1': ['test', 'this'], 'paragraph 2': ['enjoy', 'this']}

Goodies - March 22, 2017, 9:11 am

@Hunter I doubt he wants each word in a list tbh. Definitely on the right track using a simple dict comprehension with enumerate, though. Just don't use paragraph.split() in that fashion.

hunter24957 - March 22, 2017, 10:09 am

(Mar 22, 2017 09:11 AM)Goodies Wrote: [\[CITE\]](#) @Hunter I doubt he wants each word in a list tbh. Definitely on the right track using a simple dict comprehension with enumerate, though. Just don't use paragraph.split() in that fashion.

Sorry, my example was a bit off. Picture the text file like this:

Quote:test
this

enjoy
this

I shouldn't have used words instead of sentences, my bad.

For a text file like this:

Quote:hello my name is Jimmy
Nice to meet you

How are you today?

I'm good thank you

this would be the output:

Quote: {'paragraph 1': ['hello my name is Jimmy', 'Nice to meet you'], 'paragraph 2': ['How are you today?', 'I'm good thank you']} Just like he displayed as his preferred output.

Well, he wanted the output like this:

Quote: {'paragraph1': [['hey my name is joe'], ['I am from the US'], ['I love to play sports']], 'paragraph2': [['what do you like to do?'], ['where are you from']]} But then the embedded lists would be redundant due to them only containing one string each.