File handling and string manipulation

November 7, 2021

```python
[1]: text_file = open('conv.txt', 'r')
     text = text_file.read()

     #cleaning
     text = text.lower()
     words = text.split()
     words = [word.strip('.,!;()[]') for word in words]
     words = [word.replace("'s", '') for word in words]

     #finding unique
     unique = []
     for word in words:
         if word not in unique:
             unique.append(word)

     end_letter = ':'

     # using list comprehension + endswith()
     # Prefix Separation
     with_s = [x for x in unique if x.endswith(end_letter)]

     print("The unique character present in the conversation is",len(with_s))
     text_file.close()
```

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The unique character present in the conversation is 16
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```python
[3]: type(words)
```

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[3]: list
```

```python
[4]: my_file = open('datasets/Will.txt','w+')

     my_file.write('wildlings')
     my_file = open('datasets/Royce.txt','w+')

     my_file.write('deserter')
     my_file = open('datasets/Gared.txt','w+')
```

```python
my_file.write('track')
my_file = open('datasets/Jon.txt','w+')

my_file.write('stark')
my_file = open('datasets/Mordane.txt','w+')

my_file.write('love')
my_file = open('datasets/Sansa.txt','w+')

my_file.write('shut')
my_file = open('datasets/Ned.txt','w+')

my_file.write('saddle')
my_file = open('datasets/Rob.txt','w+')

my_file.write('direwolves')
my_file = open('datasets/Cassel.txt','w+')

my_file.write('guardsman')
my_file = open('datasets/Catalyn.txt','w+')

my_file.write('gods')
my_file = open('datasets/Bran.txt','w+')

my_file.write('king')
my_file = open('datasets/Theon.txt','w+')

my_file.write('prick')
my_file = open('datasets/Cersei.txt','w+')

my_file.write('beast')
my_file = open('datasets/Jaime.txt','w+')

my_file.write('skewered')
my_file = open('datasets/Robert.txt','w+')

my_file.write('soldier')
my_file = open('datasets/Arya.txt','w+')

my_file.write('brother')
my_file.close()
```

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