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1. Write Python program to read file word by word

Code :

```
with open('TextFile.txt','r') as file:  
    for line in file:  
        for word in line.split():  
            print(word)
```

Output :

```
I  
am  
doing  
python  
program
```

2. Write Python program to read character by character from a file

Code :

```
file = open('TextFile.txt', 'r')
```

```
while 1:
    char = file.read(1)
    if not char:
        break
    print(char)
file.close()
```

Output :

P
Y
t
h
o
n

p
r
o
g
r

a

m

3. Write Python program to Get number of characters, words, spaces and lines in a file

Code :

```
num_words = 0
```

```
num_lines = 0
```

```
num_charc = 0
```

```
num_spaces = 0
```

```
with open('TextFile.txt', 'r') as f:
```

```
    for line in f:
```

```
        num_lines += 1
```

```
        word = 'Y'
```

```
        for letter in line:
```

```
            if (letter != ' ' and word == 'Y'):
```

```
                num_words += 1
```

```
                word = 'N'
```

```
            elif (letter == ' '):
```

```
                num_spaces += 1
```

```
                word = 'Y'
```

```
for i in letter:
    if(i !=" " and i !="\n"):
        num_charc += 1
```

```
print("Number of words in text file: ",num_words)
print("Number of lines in text file: ",num_lines)
print('Number of characters in text file: ',num_charc)
print('Number of spaces in text file: ',num_spaces)
```

Output :

Number of words in text file: 5
Number of lines in text file: 1
Number of characters in text file: 21
Number of spaces in text file: 4

4. Write Python program to Count the Number of occurrences of a key-value pair in a text file

Code :

```
f = open("file.txt", "r")
d = dict()
for res in f:
```

```
res = res.strip()

res = res.lower()

lines = res.split()

for line in lines:

    if line in d:

        d[line] = d[line]+1

    else:

        d[line] = 1


f.close()

for key in list(d.keys()):

    print("The count of {} is {}".format(key,d[key]))
```

Output :

The count of python:p is 5

The count of java:j is 4

5. Write Python program to Find 'n' Character Words in a Text File

Code :

```
count = 1
```

```
dpp = ""
```

```
file = open('TextFile.txt', 'r')
```

```
while 1:
```

```
    sp = file.read(1)
```

```
    if count<= 3:
```

```
        dpp = dpp + sp
```

```
    if count>3:
```

```
        if sp == " ":
```

```
            count = 0
```

```
            if len(dpp)>=0:
```

```
                print(dpp)
```

```
                dpp = ""
```

```
            elif sp != " ":
```

```
                dpp = ""
```

```
count = count + 1
```

```
if not sp:
```

```
    break
```

```
file.close()
```

Output :

How

are

you

6. Write Python program to Count number of lines in a text file in Python

Code :

```
with open(r"TextFile.txt", 'r') as fp:  
    lines = len(fp.readlines())  
    print('Total Number of lines:', lines)
```

Output :

Total Number of lines: 2

7. Write Python program to read List of Dictionaries from File

Code :

```
def parse(d):  
    dictionary = dict()  
    # Removes curly braces and splits the pairs into a list
```

```

pairs = d.strip('{}').split(', ')

for i in pairs:

    pair = i.split(': ')

    # Other symbols from the key-value pair should be stripped.

    dictionary[pair[0].strip('\\"\'\"')] = pair[1].strip('\\"\'\"')

return dictionary

try:

    TextFile = open('TextFile.txt', 'rt')

    lines = TextFile.read().split('\n')

    for l in lines:

        if l != "":

            dictionary = parse(l)

            print(dictionary)

    TextFile.close()

except:

    print("Something unexpected occurred!")

```

Output :

```
{'Fruit': Mango, 'Vegetable': Potato}
```


8. Write Python program to Append content of one text file to another

Code :

```
name1 = input("Enter file to be read from: ")
name2 = input("Enter file to be appended to: ")
fin = open(name1, "r")
data2 = fin.read()
fin.close()
fout = open(name2, "a")
fout.write(data2)
fout.close()

with open('TextFile.txt','r') as file:
    for line in file:
        for word in line.split():
            print(word)
```

Output :

FirstFile.txt : Python program file.

SecondFile.txt : Python program file.

9. Write Python program to reverse the content of a file and store it in another file

Code :

```
f1 = open("SecondFile.txt", "w")
```

```
with open("FirstFile.txt", "r") as myfile:
```

```
    data = myfile.read()
```

```
data_1 = data[::-1]
```

```
f1.write(data_1)
```

```
f1.close()
```

Output :

```
.elif margorp nohtyP
```

10. Write Python program to merge two files into a third file

Code :

```
data = data2 = ""
```

```
with open('FirstFile.txt') as fp:
```

```
    data = fp.read()
```

```
with open('SecondFile.txt') as fp:
    data2 = fp.read()
data += "\n"
data += data2
with open ('TextFile.txt', 'w') as fp:
    fp.write(data)
```

Output :

Python program file.

Having python prgrams.