

command-line-arguments-to-count-word

' AIM:

To write a python program for getting the word count from the contents of a file using command line arguments.

' EQUIPEMENT'S REQUIRED:

PC Anaconda - Python 3.7

' ALGORITHM:

' Step 1:

Get the file name using command arguments. Now read the content in the file.

' Step 2:

Now read the content in the file.

' Step 3:

Use split()

' Step 4:

Now read the no. of words in file.

' Step 5:

Print number of words present in given file.

' Step 6:

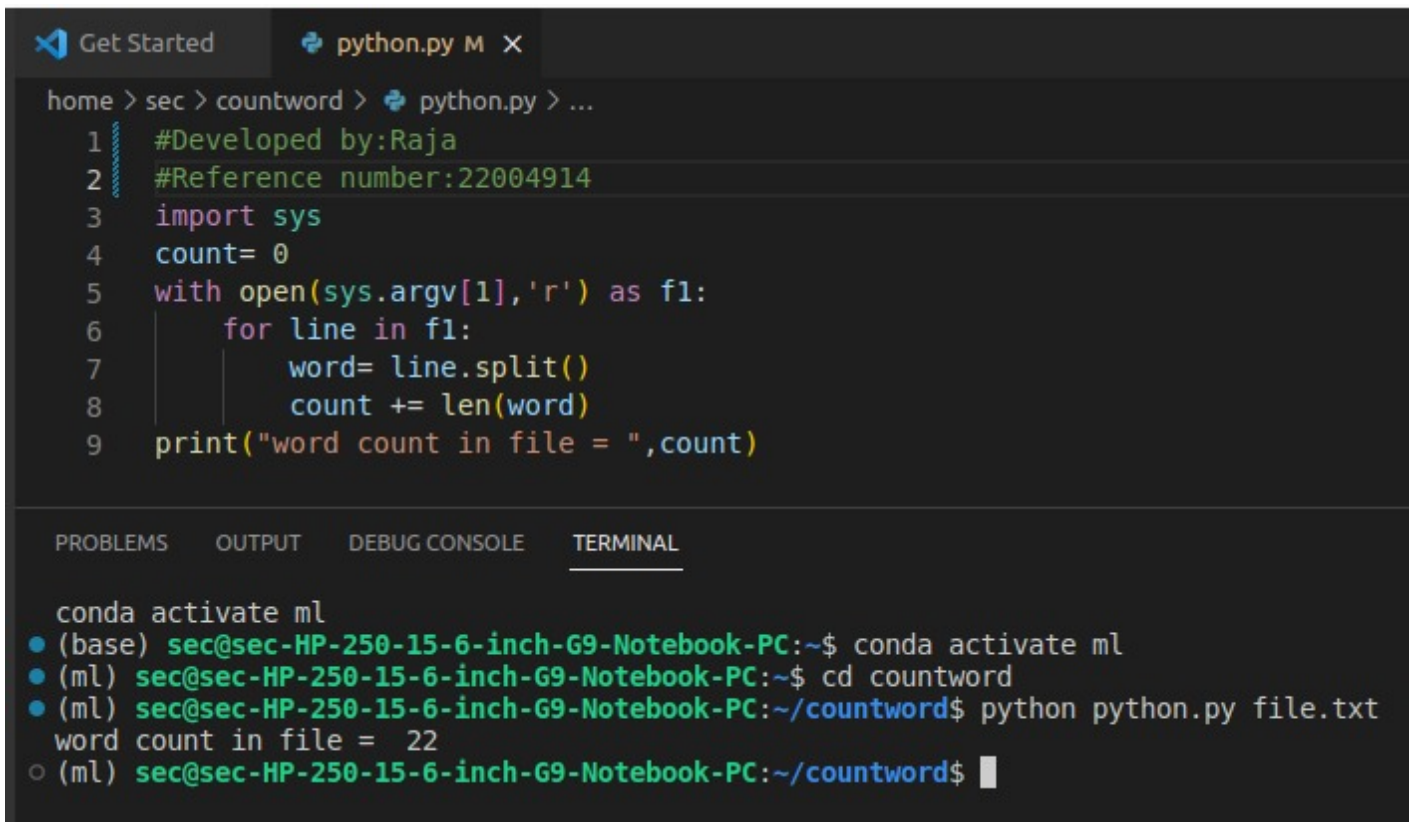
End of the program.

' PROGRAM:

```
#DEVELOPED BY: Raja R
#REGISTER NO: 22004914
import sys
count= 0
with open(sys.argv[1], 'r') as f1:
    for line in f1:
```

```
word= line.split()  
count += len(word)  
print("word count in file = ",count)
```

OUTPUT:



The screenshot shows a code editor with a file named `python.py` containing the following Python code:

```
1 #Developed by:Raja  
2 #Reference number:22004914  
3 import sys  
4 count= 0  
5 with open(sys.argv[1],'r') as f1:  
6     for line in f1:  
7         word= line.split()  
8         count += len(word)  
9 print("word count in file = ",count)
```

Below the code editor is a terminal window with the following output:

```
conda activate ml  
● (base) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$ conda activate ml  
● (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$ cd countword  
● (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~/countword$ python python.py file.txt  
word count in file = 22  
○ (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~/countword$
```

RESULT:

Thus the program is written to find the word count from the contents of a file using command line arguments.