

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:

import sys

' Step 2:

open file using open().

' Step 3:

use for loop

' Step 4:

use len to count number of words

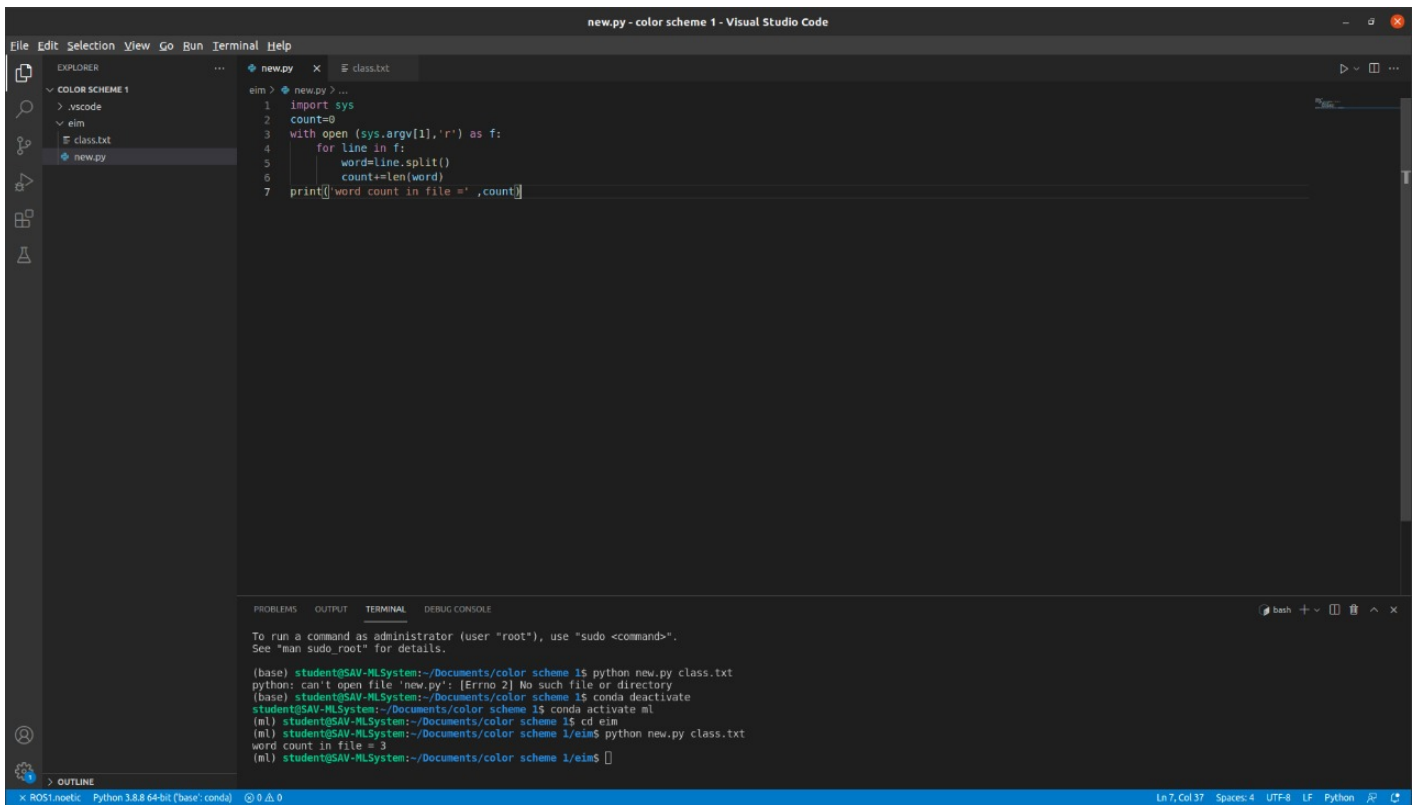
' Step 5:

give print

' PROGRAM:

```
### NAME:MEIYARASI.V
### REGISTER NUMBER:21005984
import sys
count(0)
with open (sys.argv[1],'r') as f:
    for line in f:
        word=line.split()
        count+=len(word)
print('word count in file =' ,count)
```

OUTPUT:



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project named 'COLOR SCHEME 1' with files 'class.txt' and 'new.py'. The Editor panel displays the contents of 'new.py', which is a Python script that takes a file path as a command-line argument and counts the number of words in it. The script is as follows:

```
1 import sys
2 count=0
3 with open(sys.argv[1],'r') as f:
4     for line in f:
5         word=line.split()
6         count+=len(word)
7 print('word count in file =',count)
```

The TERMINAL panel at the bottom shows the execution of the script. It starts with a prompt to run a command as administrator. Then, the user runs the command `python new.py class.txt`, which results in an error: `python: can't open file 'new.py': [Errno 2] No such file or directory`. The user then runs `conda deactivate`, `conda activate ml`, and `cd eim`. Finally, the user runs `python new.py class.txt`, which outputs `word count in file = 3`.

RESULT:

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