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 the sys module.

Step 2: Pass the filename as the first argument after the name of script.Open the file as sys.argv[1]

Step 3: Read the file using read() method.

Step 4: Use split() method to split the file content into words.

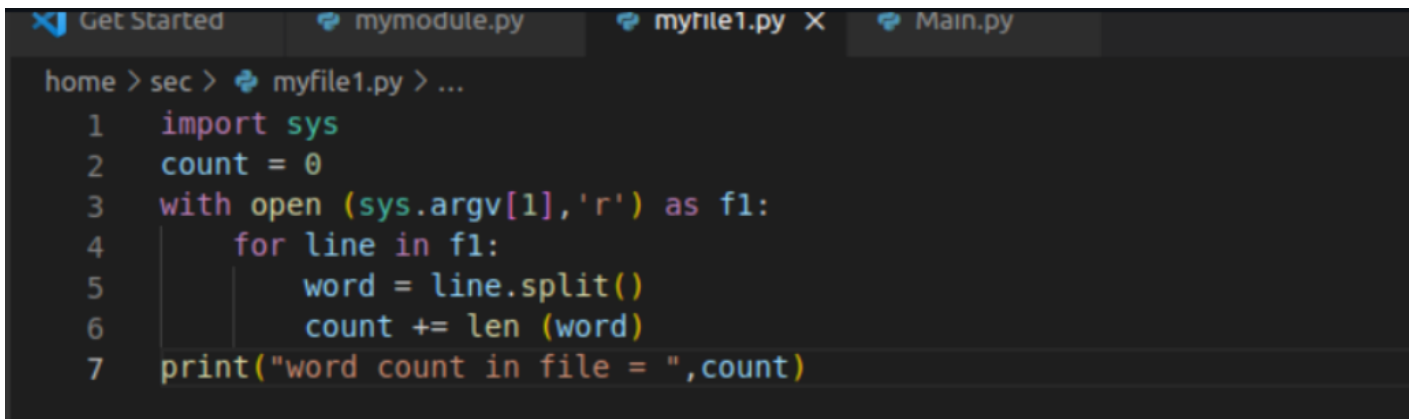Step 5: Use len() to find the total words.

Step 6: Run the program to determine the number of words in the file created
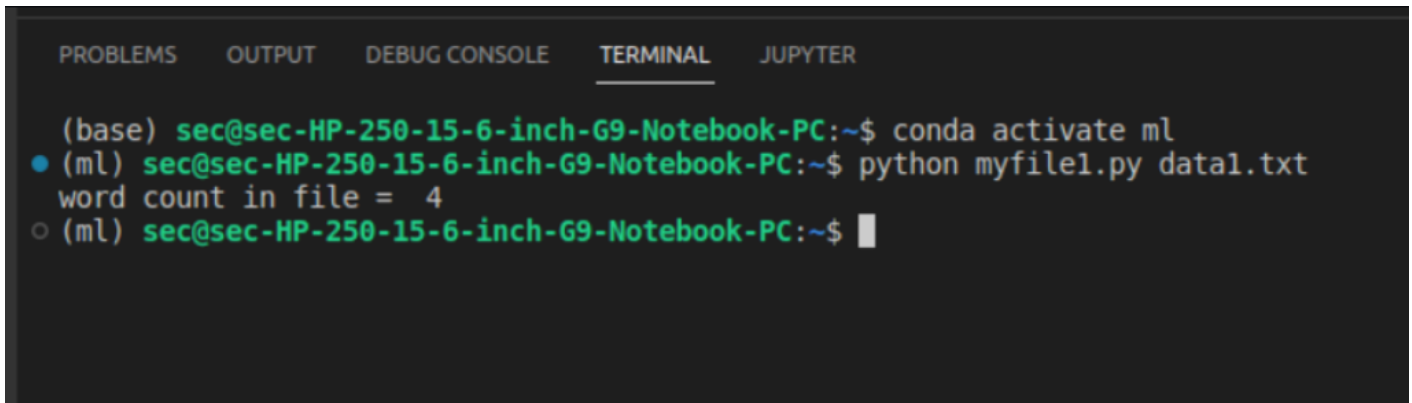
＞ PROGRAM:

```
"""
Program to sort the elements in the list using the Selection Sort algorithm.
Developed by: Hezron Belix
RegisterNumber: 2300990
"""
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:

```
     Get Started          mymodule.py        myfile1.py  X       Main.py

 home > sec >    myfile1.py > ...
   1     import sys
   2     count = 0
   3     with open (sys.argv[1],'r') as f1:
   4         for line in f1:
   5             word = line.split()
   6             count += len (word)
   7     print("word count in file = ",count)
```

```
 PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    JUPYTER


 (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:~$ python myfile1.py data1.txt
 word count in file =  4
 (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$ █
```

RESULT:

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