

P3:

RESULTS:

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar. The left sidebar (EXPLORER) lists files in a tree view under a folder named 'P3'. The 'source' folder contains 'wordCount.py' and 'WordCountResults.txt'. Other files listed include 'TC1.txt', 'TC2.txt', 'TC3.txt', 'TC4.txt', 'TC5.txt', 'TC1.Results.txt', 'TC2.Results.txt', 'TC3.Results.txt', and 'TC4.Results.txt'. The main editor area displays the code for 'wordCount.py'. The code defines a function 'main()' that reads from standard input, processes it, and prints the results. It also includes a pylint check and a command-line run for 'TC1.txt'. The terminal below shows the execution of 'wordCount.py' on 'TC1.txt' and 'TC2.txt', displaying word counts for each file. The output for 'TC1.txt' is:

```
(base) PS C:\Users\cesar\OneDrive\Escritorio\A00825747_A4.2\P3\source> python wordCount.py TC1.txt
```

WORD COUNT

WORD	COUNT
mother	1
tions	1
pin	1
sure	1
regulatory	1
shower	1
uni	1
dial	1
photography	1
buying	1
firms	1
nba	1
father	1
championship	1
vagina	1
fonts	1
sparc	1
explorer	1
rl	1
shadow	1
danish	1
seed	1
hiking	1
instrumentation	1
introduces	1
kinda	1
nor	1
newer	1
peter	1
contamination	1
matters	1
bedding	1

The output for 'TC2.txt' is:

```
(base) PS C:\Users\cesar\OneDrive\Escritorio\A00825747_A4.2\P3\source> python wordCount.py TC2.txt
```

WORD	COUNT
chosen	1
violence	1
sectors	1
ignored	1
cheese	1
frozen	1
corp	1
undo	1
tba	1
way	1
filter	1
win	1
attending	1
returned	1
anchor	1
sides	1
defence	1
biz	1
form	1
feeding	1
rentals	1
practical	1
steve	1
serious	1
mens	1
faculty	1
initiative	1
variety	1
ion	1
interface	1
remained	1
icons	1
excessive	1
jon	1

TIME (seconds): 0.0003294945

```
(base) PS C:\Users\cesar\OneDrive\Escritorio\A00825747_A4.2\P3\source>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

(base) PS C:\Users\cesar\OneDrive\Escritorio\A00825747_A4.2\P3\source> python wordCount.py TC3.txt

WORD	COUNT
neighbors	1
manual	1
political	1
mozambique	1
old	1
holding	1
fc	1
ford	1
comparable	1
industries	1
antiques	1
waste	1
voice	1
blond	1
z	1
flood	2
enables	1
feels	1
validity	1
midnight	1
matters	1
mortgage	1
daughters	1
diana	1
notice	3
postal	1
reproduced	1
mp3s	1
persistent	1
butts	1
ban	1
underground	1
hypothesis	1
pace	1
ip	1

(base) PS C:\Users\cesar\OneDrive\Escritorio\A00825747_A4.2\P3\source> python wordCount.py TC4.txt

WORD	COUNT
disciplinary	1
continues	1
literally	2
ringtone	2
parameter	1
shift	1
enhancement	1
man	1
za	2
starring	1
cashiers	1
maria	1
began	1
incredible	1
stations	1
depends	1
staff	1
booty	1
energy	1
grid	1
beach	1
tools	1
reached	2
ethics	1
mod	1
preference	1

It also creates the output file :

The screenshot shows a file explorer interface with a dark theme. The left sidebar lists various locations such as Home, Gallery, Cesar - Personal, Desktop, Downloads, Documents, Pictures, Music, Videos, P1, P2, A4.2 Archivos de Apoyo - 06-02-26, and source. The main pane displays a list of files in the 'source' folder. The columns are Name, Status, Date modified, Type, and Size. The files listed are TC1.Results.txt, TC1.txt, TC2.Results.txt, TC2.txt, TC3.Results.txt, TC3.txt, TC4.Results.txt, TC4.txt, TC5.Results.txt, TC5.txt, wordCount.py, and WordCountResults.txt. All files are text documents except for wordCount.py, which is a Python Source File. The sizes of the files range from 1K to 37K.

Name	Status	Date modified	Type	Size
TC1.Results.txt	✓	2/8/2026 10:10 PM	Text Document	1 K
TC1.txt	✓	2/8/2026 10:10 PM	Text Document	1 K
TC2.Results.txt	✓	2/8/2026 10:10 PM	Text Document	2 K
TC2.txt	✓	2/8/2026 10:10 PM	Text Document	2 K
TC3.Results.txt	✓	2/8/2026 10:10 PM	Text Document	5 K
TC3.txt	✓	2/8/2026 10:10 PM	Text Document	4 K
TC4.Results.txt	✓	2/8/2026 10:10 PM	Text Document	9 K
TC4.txt	✓	2/8/2026 10:10 PM	Text Document	8 K
TC5.Results.txt	✓	2/8/2026 10:10 PM	Text Document	35 K
TC5.txt	✓	2/8/2026 10:10 PM	Text Document	37 K
wordCount.py	✓	2/9/2026 12:17 AM	Python Source File	4 K
WordCountResults.txt	✓	2/9/2026 12:20 AM	Text Document	10 K

```
WORD COUNT
disciplinary 1
continues 1
literally 2
ringtone 2
parameter 1
shift 1
enhancement 1
man 1
za 2
starring 1
cashiers 1
maria 1
began 1
incredible 1
stations 1
depends 1
staff 1
booty 1
energy 1
grid 1
beach 1
tools 1
reached 2
ethics 1
mod 1
preference 1
compounds 1
fragrances 1
macintosh 1
microsoft 1
```

In 1 Col 1 9,048 characters Plain text 100% Windows (CR LF) UTF-8

PYLINT:

File Edit Selection View Go Run Terminal Help

EXPLORER ... wordCount.py

source > wordCount > main > line

```
75 |     return "\n".join(lines) + "\n"
76 |
77 |
78 | def main() -> int:
79 |     """Run word counting flow and return exit code."""
80 |     start = time.time()
81 |
82 |     if len(sys.argv) != 2:
83 |         print("Usage: python wordCount.py fileWithData.txt")
84 |         return 1
85 |
86 |     file_path = sys.argv[1]
87 |     all_words = []
88 |
89 |     try:
90 |         with open(file_path, "r", encoding="utf-8") as f:
91 |             line_num = 0
92 |             for raw_line in f:
93 |                 line_num += 1
94 |                 line = raw_line.strip("\n")
95 |
96 |                 # Consider empty lines as "invalid" / ignorable input
97 |                 if not line.strip():
98 |                     print(f"Invalid data at line {line_num}: empty line (ignored)")
99 |                     continue
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

comm 1
blues 1
collect 1
lies 1
seats 1 ...
***** Module wordCount
wordCount.py:1:0: C0103: Module name "WordCount" doesn't conform to snake_case naming style (invalid-name)
wordCount.py:76:0: C0110: Missing function or method docstring (missing-function-docstring)

Your code has been rated at 9.72/10

(base) PS C:\Users\cesar\OneDrive\Escritorio\A00825747_A4.2\P3\source> pylint wordCount.py

Your code has been rated at 10.00/10 (previous run: 9.72/10, +0.28)