



FILE OPERATIONS & PROGRAM LINE COUNT IN PYTHON

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WHAT ARE FILE OPERATIONS IN PYTHON?

- Python allows handling files using `open()`, `read()`, `write()`, etc.
- File modes:
 - 'r' - Read (default)
 - 'w' - Write (overwrites file)
 - 'a' - Append (adds content)
 - 'r+' - Read and Write

BASIC FILE OPERATIONS

```
# Writing to a file
with open("sample.txt", "w") as f:
    f.write("Hello, Python!")

# Reading from a file
with open("sample.txt", "r") as f:
    content = f.read()
    print(content)
```

COUNTING LINES IN A PYTHON PROGRAM

We can count lines of code using `readlines()` or `enumerate()`.

```
with open("script.py", "r") as f:  
    line_count = sum(1 for line in f)  
print("Total Lines:", line_count)
```

SUMMARY

File operations help in reading and writing data.

Python provides different modes for file handling.

Counting lines in a file is useful for analyzing scripts.

Thank You