Log File Analyzer

# Python Source Code

from collections import Counter

def analyze\_log(file\_path):

log\_levels = ['DEBUG', 'INFO', 'WARNING', 'ERROR', 'CRITICAL']

level\_counter = Counter()

try:

with open(file\_path, 'r') as log\_file:

lines = log\_file.readlines()

print("Last 5 log entries:")

for line in lines[-5:]:

print(line.strip())

for line in lines:

for level in log\_levels:

if f'- {level} -' in line:

level\_counter[level] += 1

break

print("Log Summary:")

for level in log\_levels:

print(f"{level}: {level\_counter[level]} entries")

except FileNotFoundError:

print(f"Log file not found: {file\_path}")

except Exception as e:

print(f"Error while analyzing log: {e}")

if \_\_name\_\_ == '\_\_main\_\_':

analyze\_log('app.log')

# Screenshot of Output

