

Project: **LOG ANALYSER**

Name: **NIYUBAHWE UWACU Annick**

Unit: **RW-CODING-ACADEMY-III**

S-code: **s7**

Here is the output of the python script on different Operating Systems:

I. OUTPUT ON WINDOWS OS

1. OS details

```
PS D:\Documents\Lessons\Cyberium\Python_fundamentals> & C:/Users/pc/AppData/Local/Programs/Python/Python312/python.exe d:/Documents/Lessons/Cyberium/Python_fundamentals/log_analyser_project.py
```

System Information

System Information

Property	Value
OS Type	Windows
OS Version	10.0.22631
Node Name	N-Tannick975
Release	11
Machine	AMD64
Processor	Intel64 Family 6 Model 154 Stepping 4, GenuineIntel

2. Network information

Network Information

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current				
			Dload	Upload	Total	Spent	Left				
100	14	100	14	0	0	25	0	----	----	----	26

Network Information

Property	Value
Hostname	N-Tannick975
Private IP	[REDACTED]
Public IP	105.178.104.58
Default Gateway	[REDACTED]

3. Disk information

Disk Information	
Disk Information - C:\	
Property	Value
Total Size	289317900288
Used	259553673216
Free	29764227072
Percentage Used	89.7

Disk Information - D:\	
Property	Value
Total Size	137680121856
Used	95025913856
Free	42654208000
Percentage Used	69.0

4. Largest directories

Largest Directories	
Largest Directories	
Directory	Size
/LDPlayer\LDPlayer9\vm\leidian0	19748752833
/Videos	15185740328
/Desktop	8486534694
/\$RECYCLE.BIN\S-1-5-21-433413153-623217855-2784476387-1002	3252864353
/Documents\Lessons\Cyberium\Python_fundamentals\python_fund\PF	3081398876

5. Realtime CPU Monitoring

```
Monitoring CPU Usage (Press Ctrl+C to stop)
CPU Usage: 6.2%
CPU Usage: 2.8%
CPU Usage: 4.1%
CPU Usage: 8.4%
CPU Usage: 5.2%
CPU Usage: 7.6%
CPU Usage: 4.9%
CPU Usage: 4.7%
CPU Usage: 6.1%
CPU Usage: 15.6%
CPU Usage: 6.7%
CPU Usage: 4.0%
CPU Usage: 3.9%
CPU Usage: 6.7%
CPU Usage: 6.1%
CPU Usage: 3.9%
CPU Usage: 4.4%
CPU Usage: 5.5%
CPU Usage: 5.2%
CPU Usage: 5.0%
CPU Usage: 6.4%
```

6. Parsing auth.log file

It is impossible to parse auth.log file on windows OS

II. OUTPUT ON LINUX OS

1. OS details

Property	Value
OS Type	Linux
Node Name	Annick
Release	5.4.0-77-generic
Machine	x86_64
Processor	x86_64
Distribution	Ubuntu 20.04.2 LTS

2. Network information

Property	Value
Hostname	Annick
Private IP	[REDACTED]
Public IP	[REDACTED]
Default Gateway	[REDACTED]

3. Disk information

Property	Value
Total Size	500107862016
Used	123456789012
Free	376651072768
Percentage Used	24.7%

4. Largest directories

Directory	Size
/home/user	123456789
/var/log	987654321
/usr/lib	543210987
/opt	432109876
/etc	321098765

5. Realtime CPU Monitoring

CPU Usage: 14.5%

CPU Usage: 12.3%

6. Parsing auth.log file

Timestamp	Log Entry
2024-07-07 14:35:23	New user created: Smith
2024-07-07 15:42:11	New user created: Joy