Log Collector Guide

Utility Name: Log Collector

Purpose and use:
1. Read a config file of the format JSON given below.
   This config file will list one or more directories and the format of the log files it contains.
2. Collect start date and start time from the user
3. Collect end date and end time from the user.
4. Create a zip archive that contains the matching files from all folders that were created between date/time from step 3 and step 4
5. If the config has a file name set to "**core**", It will search in that folder for the files that start with "**core.**" and save it as <core file name>.log and store it in the zip archive

How to run:
-Have a config file present eg:

{

"dirs": { "DIR1": [{"path":"/home/arc/.ISP/Telecom/Exec", "filename": "out.txt."},],*

"DIR2": [{"path":"/home/arc/.ISP/Telecom/Exec", "filename": "log.txt"},],*

"DIR3": [{"path":"/home/arc/.ISP/LOG", "filename": "ISP.2023-"},],*

} }

-Enter the command "python3 log_collector.py" in terminal and press enter

```
python3 log_collector.py
```

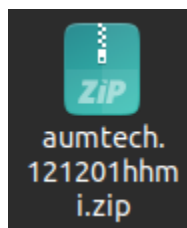-Enter the start date and time, and end date and end time of the logs you want to collect

```
Enter start date (mm/dd/yyyy): 12/12/2001
Enter start time (hh:mm): 12:12
Enter end date (mm/dd/yyyy): 12/12/2025
Enter end time (hh:mm): 12:12
```
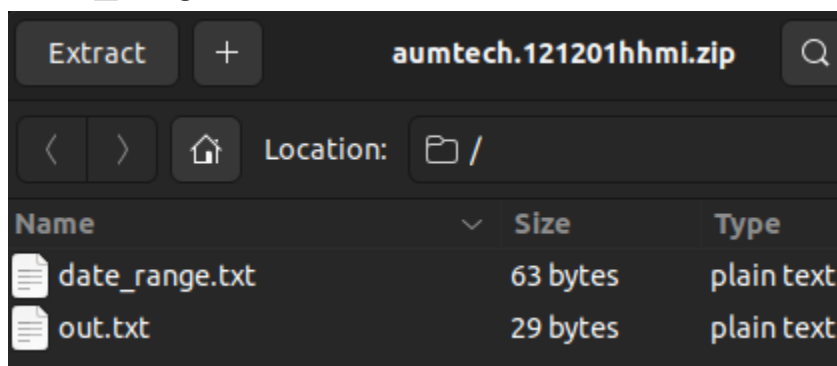
Output:
-You get a success message

```
Logs Zipped Successfully
```

-A zip file in the format "*aumtech.<mmddyyyy>hhmi.zip*" Is created

aumtech.
121201hhm
i.zip

-The Zip file contains the log(s) collected and a file called "date_range.txt"

Name	Size	Type
date_range.txt	63 bytes	plain text
out.txt	29 bytes	plain text

-The "date_range.txt" mentions the files collected in the specified date and time frame

```
1 Files collected from 2001-12-12 12:12:00 to 2025-12-12 12:12:00
```