**tht3**

**Prob1**

Text

Description automatically generated

Text

Description automatically generated

**Displayed output with command line args**

**Graphical user interface

Description automatically generated**

**Showing the structure of the created file**

**Text

Description automatically generated**

**If you forget the command line args or they are invalid you get a prompt to input them**

Graphical user interface, application

Description automatically generated

### Questions:

1. When creating a report why is the date and time information important?

**For accurate record keeping, its important to know when and where information came from**

1. Is it better to use a timestamp or the date represented in a human readable format?

**It depends on who the timestamps are for. In something like a report or our pretty table human readable is preferred. However, I find epoch time easier to work with programmatically.**

1. What purpose do log files serve on a computer system?

**Keeping a record of any noteworthy events we may want to track or analyze later**

**Tracking things like who logged in when can be vital for monitoring security**

1. Why do malicious executables and hackers purge log files?

**To hide any information about who they are and what they are doing from being stored**

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**Prob2**

**Text

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**printed the info from the dictionary your function made**

**Text

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**Printing the logs with detected keywords from log files**

**There was very little to choose from on my VM but I found a few real log files to parse**

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**Printing the oldest and newest logs from the file**

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## Question:

1. If you get log files from servers located in Canada and Australia; how would you correlate simultaneous events between the two locations?

Keep in mind:

1. The timezones are different
2. Changing the timezone on your local machine won’t change the time recorded in the file.
3. **Epoch time**
4. **datetime.timezone(offset, name=None)**