Prompt 1:

Develop a LabVIEW application in a project to parse the provided “OEM719 Simulated Log.txt” data into separate .csv files for each distinct message type.

* The script should capture data at a frequency of 1 Hz for a duration of 30 seconds.
* Parsing the “OEM719 Simulated Log.txt” file should begin from an offset of 1000000 bytes from the start of the file or when the GPS acquires lock.
* Each .csv file should include headers as specified in the OEM719 manual or see “GPS Logs Solution” for reference.
* Do not modify the OEM719 Simulated Log.txt file.

Prompt 2:

Rewrite prompt 1 using a python script.

Develop a Python application in a project to parse the provided “OEM719 Simulated Log.txt” data into separate .csv files for each distinct message type.

* The script should capture data at a frequency of 1 Hz for a duration of 30 seconds.
* Parsing the “OEM719 Simulated Log.txt” file should begin from an offset of 1000000 bytes from the start of the file or when the GPS acquires lock.
* Each .csv file should include headers as specified in the OEM719 manual or see “GPS Logs Solution” for reference.
* Do not modify the OEM719 Simulated Log.txt file.