Good Morning Sayeed,

   It was a pleasure chatting with you yesterday, thank you for finding the time.

   As we discussed, I would like for you to complete a mini project to see how you problem solve.

**Requirements:**

1. Use supported SW and or tools to complete the project.
2. Proper coding standards should be used, even if DOS or PS is used.
   1. Comments and formatting to easily understand what the code is doing.
   2. Error checking and initializations as necessary.
   3. Hardcoding should be avoided if a variable will work to make it more flexible for change.
3. Should be able to use Task Scheduler to set up a reoccurring parse…This can be explained on how this would be done and if there are parameters.
4. **The output should be a text file with a list of all of the .xml files that are NOT listed in the log file.**

**Data (shared this with you):  Let me know if you have problems accessing it.  You should be able to download to your computer.**

1. File: Personnel Roster Error.log
2. Folder (containing the .xml file for that day): 05072024

**Considerations (these can be commented on):**

1. The Personnel Roster Error.log is updated multiple times a day as new rosters are sent…there can be 1000’s of rosters per day.  After a certain size, the file rolls over and previous contents are lost.
   1. What method can be used to preserve the data in the file so the file does not roll over before processing.  Noting that there is a limit of the number of ‘copies’ that can be kept.

                                                               i.      Consider if the file processing HAS to occur on the server, can it be moved for post processing and does that make sense if post processing is occurring at regular intervals?   Performance??

1. Each day has a new folder created to hold the .xml roster files.  How would the program account for this (this relates to not using hardcoding).