Assignment 6: Given a sample log file, write a script using grep to extract all lines containing "ERROR". Use awk to print the date, time, and error message of each extracted line.

Step 1: Open vi to create the script.

HP@Sai MINGW64 /d/Shell scripting

$ vi Assignment6.sh

Step 2: Enter insert mode by pressing i and enter the script.

log_file="sample.log"

if [[-f $log_file]]; then

grep "ERROR" "$log_file" | awk '{print $1, $2, $3}'

else

echo "Log file '$log_file' not found."

fi

Step 3: Press Esc and exit insert mode. Type :wq and press Enter to save and quit.

HP@Sai MINGW64 /d/Shell scripting

$ chmod +x Assignment6.sh

Step 4: Add data to sample.log file.

HP@Sai MINGW64 /d/Shell scripting

$ cat > sample.log

2024-02-01 12:45:30 INFO User logged in

2024-02-01 12:46:10 ERROR Failed to connect to database

2024-02-01 12:47:05 WARNING Low disk space

2024-02-01 12:48920 ERROR File not found in directory

Step 5: Run the Script.

HP@Sai MINGW64 /d/Shell scripting

$ bash Assignment6.sh

2024-02-01 12:46:10 ERROR

2024-02-01 12:48:20 ERROR