Assignment 06:

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.

Data Processing with sed

Explanation:

1. **grep:**
    - The script starts with grep "ERROR" log_file.txt.
    - This command searches the log_file.txt for lines containing the string "ERROR" (case-sensitive).
    - The output of grep will be a list of lines containing "ERROR".
2. **awk:**
    - The pipe (|) symbol directs the output of grep to awk.

- The awk command used here is: {print $1, $2, $3, $4}.
- This command iterates through each line received from grep (lines containing "ERROR").
- Inside the awk block:
  - $1, $2, $3, and $4 represent the first four fields separated by whitespace in each line.
  - The print statement outputs these four fields separated by spaces, effectively extracting the date, time, and the beginning of the error message (assuming the format has the date and time in the first four fields).