Linux

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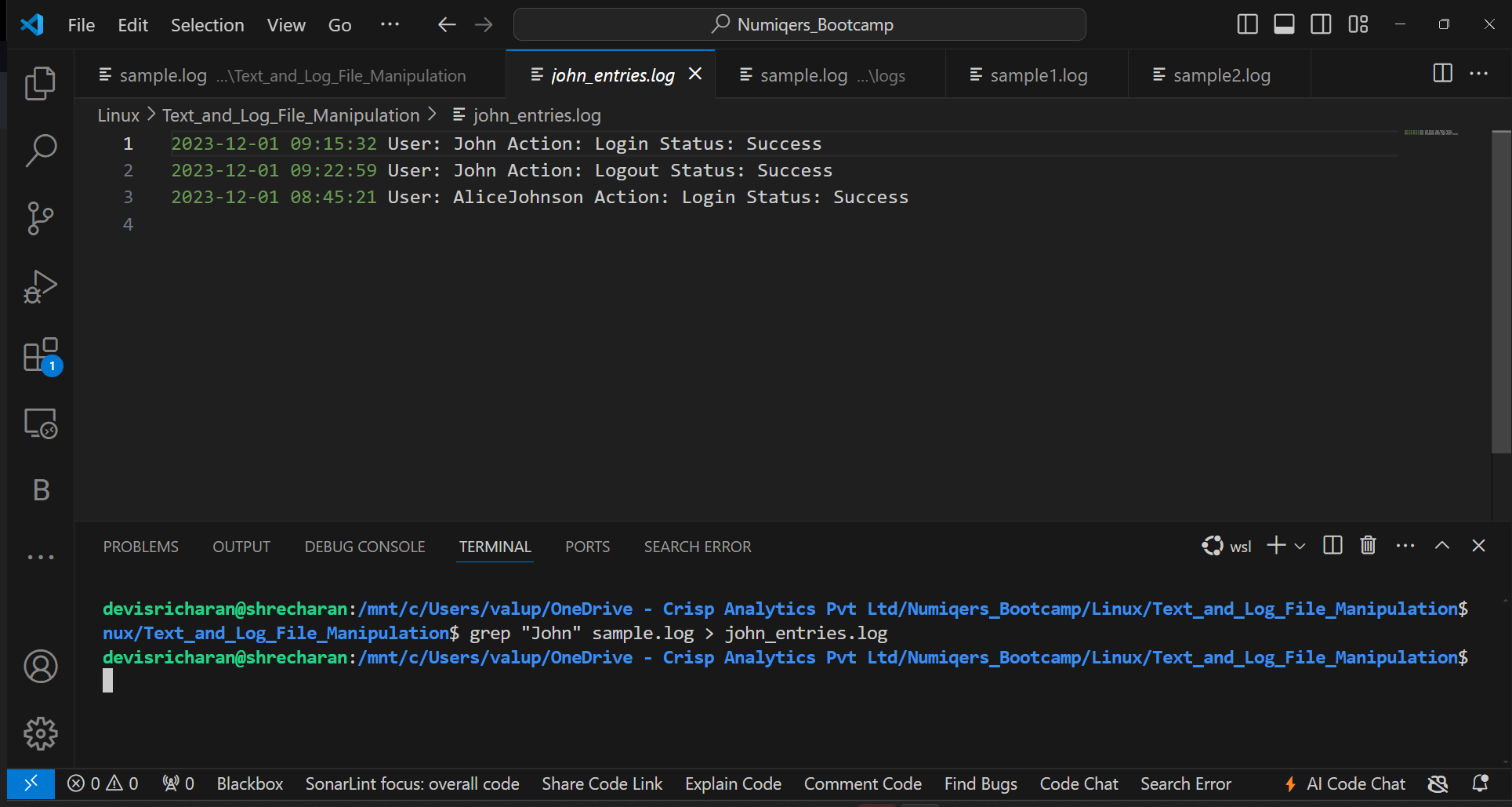
# Text and Log File Manipulation

## Filter Specific Entries

**Objective**: Identify and extract entries related to a user named "John". Save the modified log file with "John"'s entries isolated.

**Command**:

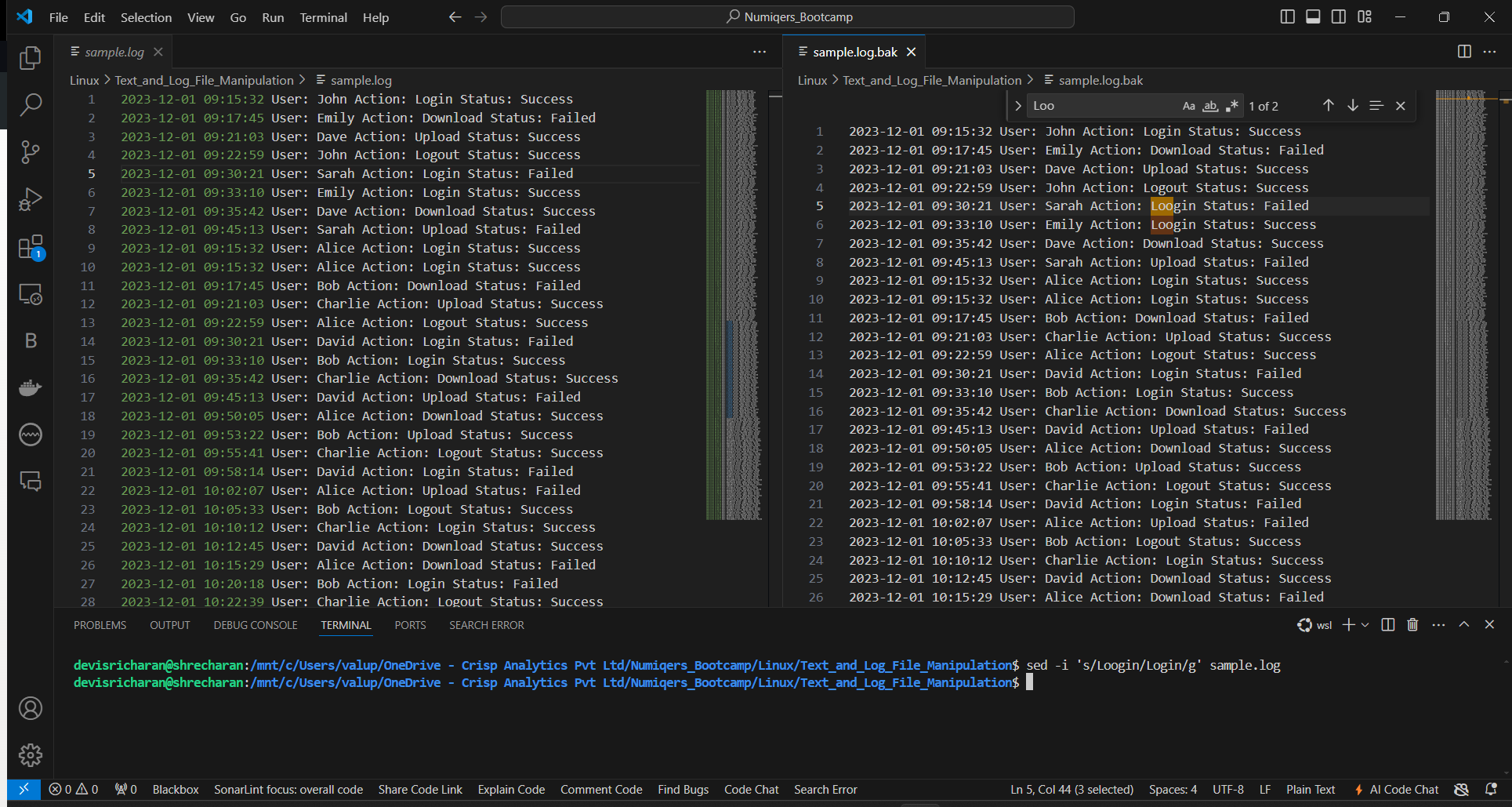
grep "John" original\_log\_file.log > john\_entries.log



## Text Substitution

**Objective**: Correct typographical errors by replacing "Loogin" with "Login". Make a version of the log file with "Loogin" corrected to "Login".

**Command**:

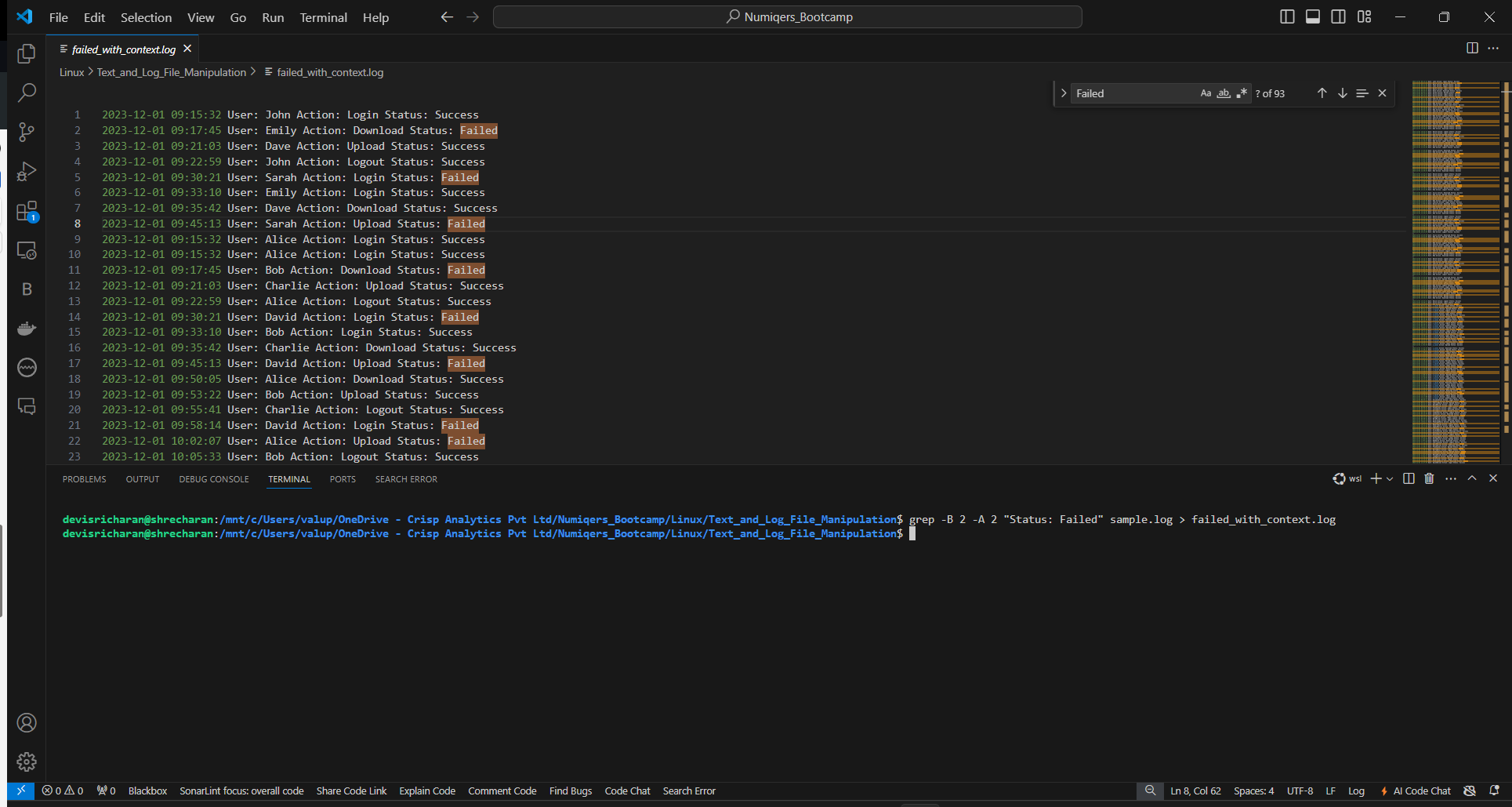
sed 's/Loogin/Login/g' original\_log\_file.log > corrected\_log\_file.log

## Complex Search

**Objective**: Locate failed actions and include context by selecting two additional lines surrounding each failed action. Make an extract of the log file showing all "Status: Failed" entries with two lines of context.

**Command**:

grep -B 2 -A 2 "Status: Failed" original\_log\_file.log > failed\_actions\_with\_context.log

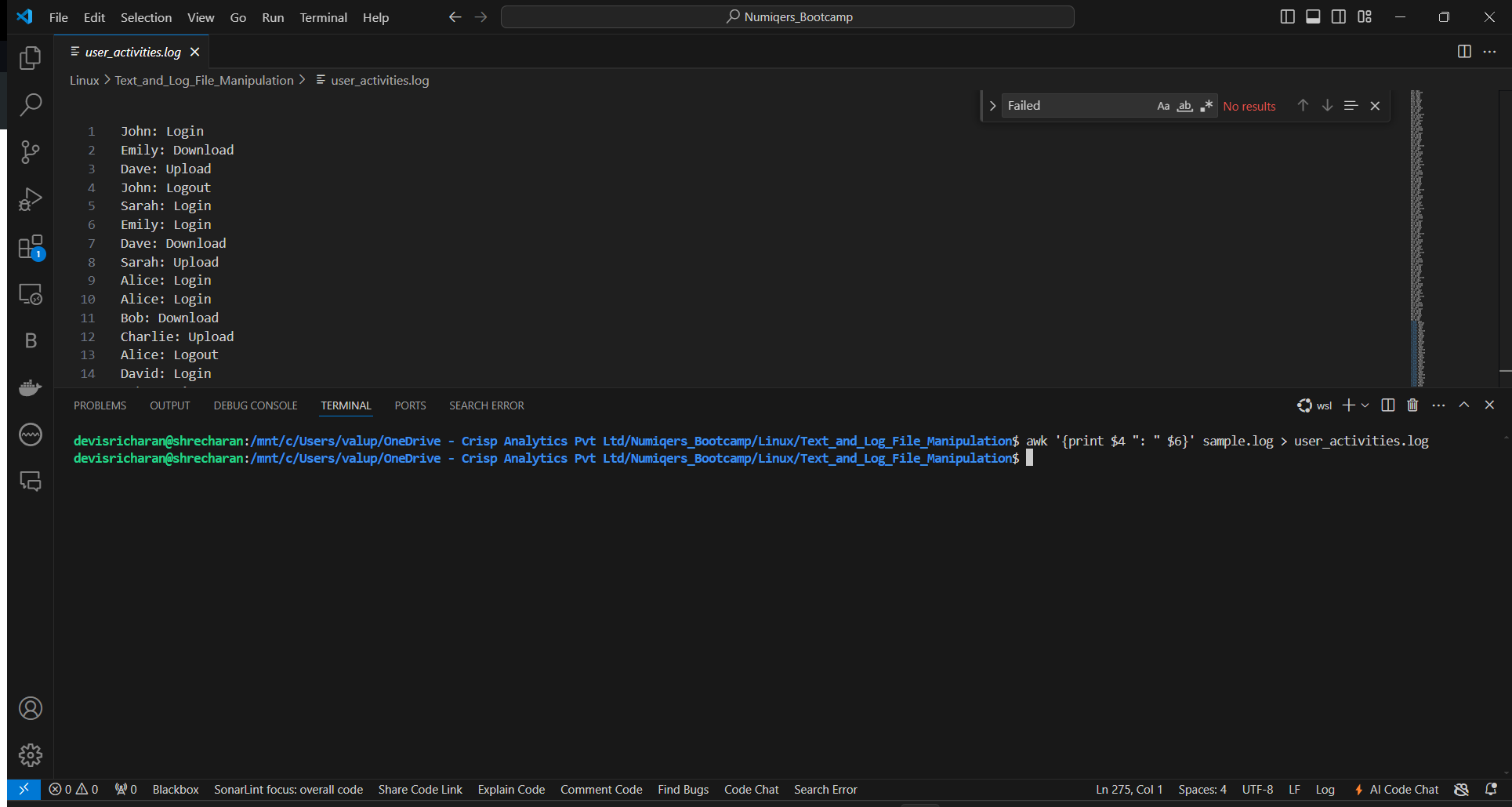


## Extracting Specific Fields

**Objective**: Summarize user activities by listing users and their actions, excluding timestamps and statuses. Make a summary list of all users and actions, formatted as "User: Action".

**Command**:

awk '{print $4 ":" $6}' original\_log\_file.log > user\_activities.log



## Multi-File Text Manipulation

**Objective**: Aggregate similar data, specifically failed actions, from a series of log files into a single file. Make a consolidated log file compiling all failed actions from the series of log files.

**Command**:

grep "Status: Failed" log\_file1.log log\_file2.log log\_file3.log > consolidated\_failed\_actions.log

