# Assumptions:

The log will always be white space separated values

Each new line in the text file is a separate log

Start and end time value are only set using the first and last valid log

# Testing:

## Test 1:

The data that was given in the scenario

**Expected outcome:**

ALICE99 4 240

CHARLIE 3 37

**Actual outcome:**

ALICE99 4 240

CHARLIE 3 37

## Test 2:

Testing that only valid lines are used.

**Expected outcome:**

ALICE99 1 50

**Actual outcome:**

ALICE99 1 50

## Test 3:

Test with only a single start and no end

**Expected outcome:**

ALICE99 1 0

**Actual outcome:**

ALICE99 1 0

## Test4:

Test with only a single end and no start

**Expected outcome:**

CHARLIE 1 0

**Actual outcome:**

CHARLIE 1 0

## Test 5:

Test with only ends

**Expected outcome:**

CHARLIE 2 92

ALICE99 4 377

**Actual outcome:**

CHARLIE 2 92

ALICE99 4 377

## Test 6:

Test with only starts

**Expected outcome:**

ALICE99 3 329

CHARLIE 2 99

**Actual outcome:**

ALICE99 3 329

CHARLIE 2 99

## Test 7:

Test that the checks if the username accepts values with spaces

**Expected outcome:**

Nothing as the entry is not valid

**Actual outcome:**

Nothing as the entry is not valid

## Test 8:

Test that it will deny the input if the time is null

**Expected outcome:**

Nothing as the entry is not valid

**Actual outcome:**

Nothing as the entry is not valid

## Test 9:

Test that it will deny the input if the username is null

**Expected outcome:**

Nothing as the entry is not valid

**Actual outcome:**

Nothing as the entry is not valid

## Test 10:

Test that it will deny the input if the start/end is null

**Expected outcome:**

Nothing as the entry is not valid

**Actual outcome:**

Nothing as the entry is not valid

## Test 11:

Test all previous tests combine

**Expected outcome:**

ALICE99 9 950

CHARLIE 6 818

**Actual outcome:**

ALICE99 9 950

CHARLIE 6 818