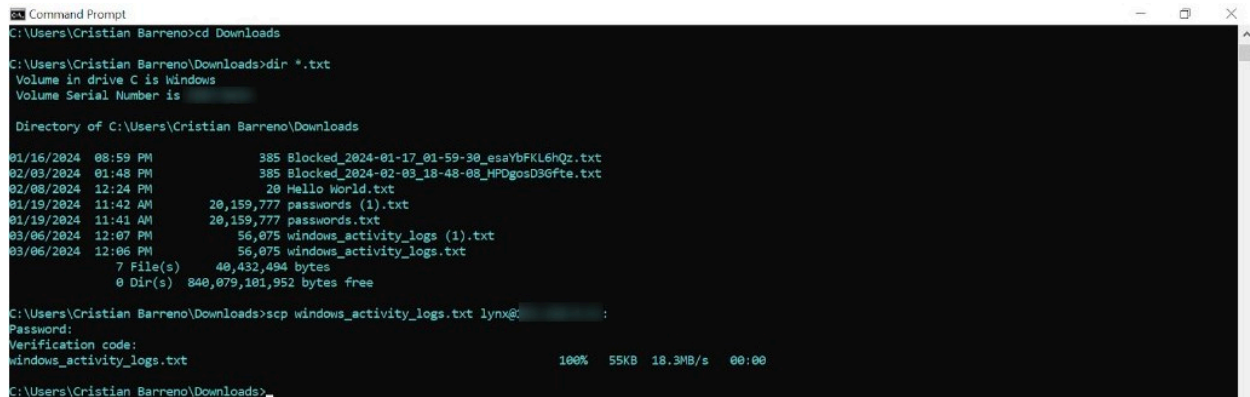


Name: Cristian Barreno

Logging Intro Assignment

Prerequisite

1. Power up your Linux Server VM that you have been using previously
2. On your Host OS Navigate via browser to the provided website
[windows_activity_logs.txt](#)
3. Download the specified file your host OS
4. In your host OS open a terminal / Shell
5. SCP the file to your Linux Server.
`-scp windows_activity_logs.txt <username>@<ip of linux server>:`
6. In the Linux VM CLI, validate that the file in your home folder



```
Command Prompt
C:\Users\Cristian Barreno>cd Downloads
C:\Users\Cristian Barreno\Downloads>dir *.txt
Volume in drive C is Windows
Volume Serial Number is 00000000

Directory of C:\Users\Cristian Barreno\Downloads

01/16/2024  08:59 PM                385 Blocked_2024-01-17_01-59-30_esaYbFKL6hQz.txt
02/03/2024  01:48 PM                385 Blocked_2024-02-03_18-48-08_HPDgosD3Gfte.txt
02/08/2024  12:24 PM                 20 Hello World.txt
01/19/2024  11:42 AM          20,159,777 passwords (1).txt
01/19/2024  11:41 AM          20,159,777 passwords.txt
03/06/2024  12:07 PM           56,075 windows_activity_logs (1).txt
03/06/2024  12:06 PM           56,075 windows_activity_logs.txt
              7 File(s)      40,432,494 bytes
              0 Dir(s)      840,079,181,952 bytes free

C:\Users\Cristian Barreno\Downloads>scp windows_activity_logs.txt lynx@ :
Password:
Verification code:
windows_activity_logs.txt                                100% 55KB 18.3MB/s  00:00

C:\Users\Cristian Barreno\Downloads>
```

Exercise 1

Run the following command:

`grep user1 windows_activity_logs.txt`

It should run successfully, but provide no output. That is because Linux is case sensitive.



```
lynx@lynx: ~
lynx@lynx:~$ grep user1 windows_activity_logs.txt
lynx@lynx:~$
```

Option 1

grep User1 windows_activity_logs.txt

```
lynx@lynx: ~  
lynx@lynx:~$ grep User1 windows_activity_logs.txt  
2024-02-29 11:32:09, User1, password failure, failed,  
2024-02-23 05:40:33, User1, login, success,  
2024-02-28 16:41:19, User1, password failure, failed,  
2024-03-06 10:46:41, User1, open file, success, Presentation.pptx  
2024-02-27 08:04:18, User1, login, success,  
2024-03-06 01:53:30, User1, password failure, failed,  
2024-02-14 05:19:10, User1, logout, success,  
2024-02-11 00:56:20, User1, logout, success,  
2024-02-19 22:15:55, User1, edit file, success, Document1.docx  
2024-02-27 02:56:50, User1, open file, success, Spreadsheet.xlsx  
2024-02-08 07:36:31, User1, open file, success, Presentation.pptx  
2024-02-23 22:41:59, User1, password failure, failed,  
2024-02-14 10:20:58, User1, open file, success, Spreadsheet.xlsx  
2024-02-07 22:44:09, User1, edit file, success, Presentation.pptx  
2024-02-08 21:30:30, User1, password failure, failed,  
2024-02-27 10:11:06, User1, open file, success, Report.pdf  
2024-02-22 19:53:58, User1, password failure, failed,  
2024-02-25 14:33:04, User1, login, success,  
2024-02-19 13:50:38, User1, delete file, success, Spreadsheet.xlsx  
2024-03-06 05:47:01, User1, password failure, failed,  
2024-02-20 02:53:50, User1, login, success,  
2024-03-02 10:27:23, User1, delete file, success, Document1.docx  
2024-02-20 21:23:22, User1, delete file, success, Report.pdf  
2024-02-27 13:42:25, User1, logout, success,  
2024-03-04 02:43:50, User1, open file, success, Document1.docx  
2024-02-10 21:19:19, User1, logout, success,  
2024-02-25 08:48:41, User1, login, success,  
2024-02-10 00:22:49, User1, password failure, failed,  
2024-02-08 13:14:11, User1, password failure, failed,  
2024-02-14 01:11:17, User1, open file, success, Report.pdf  
2024-02-15 21:38:17, User1, password failure, failed,  
2024-02-21 08:14:50, User1, logout, success,  
2024-03-01 01:54:42, User1, logout, success,  
2024-02-17 21:23:21, User1, edit file, success, Presentation.pptx  
2024-02-18 12:22:14, User1, login, success,  
2024-03-02 20:57:59, User1, open file, success, Spreadsheet.xlsx  
2024-02-14 20:40:22, User1, edit file, success, Document1.docx  
2024-02-15 20:00:32, User1, login, success,  
2024-02-16 06:07:38, User1, open file, success, Document1.docx  
2024-02-12 10:39:21, User1, open file, success, Document1.docx
```

Option 2

grep -i 'user1' windows_activity_logs.txt

```
lynx@lynx: ~  
lynx@lynx:~$ grep -i user1 windows_activity_logs.txt  
2024-02-29 11:32:09, User1, password failure, failed,  
2024-02-23 05:40:33, User1, login, success,  
2024-02-28 16:41:19, User1, password failure, failed,  
2024-03-06 10:46:41, User1, open file, success, Presentation.pptx  
2024-02-27 08:04:18, User1, login, success,  
2024-03-06 01:53:30, User1, password failure, failed,  
2024-02-14 05:19:10, User1, logout, success,  
2024-02-11 00:56:20, User1, logout, success,  
2024-02-19 22:15:55, User1, edit file, success, Document1.docx  
2024-02-27 02:56:50, User1, open file, success, Spreadsheet.xlsx  
2024-02-08 07:36:31, User1, open file, success, Presentation.pptx  
2024-02-23 22:41:59, User1, password failure, failed,  
2024-02-14 10:20:58, User1, open file, success, Spreadsheet.xlsx  
2024-02-07 22:44:09, User1, edit file, success, Presentation.pptx  
2024-02-08 21:30:30, User1, password failure, failed,  
2024-02-27 10:11:06, User1, open file, success, Report.pdf  
2024-02-22 19:53:58, User1, password failure, failed,  
2024-02-25 14:33:04, User1, login, success,  
2024-02-19 13:50:38, User1, delete file, success, Spreadsheet.xlsx  
2024-03-06 05:47:01, User1, password failure, failed,  
2024-02-20 02:53:50, User1, login, success,  
2024-03-02 10:27:23, User1, delete file, success, Document1.docx  
2024-02-20 21:23:22, User1, delete file, success, Report.pdf  
2024-02-27 13:42:25, User1, logout, success,  
2024-03-04 02:43:50, User1, open file, success, Document1.docx  
2024-02-10 21:19:19, User1, logout, success,  
2024-02-25 08:48:41, User1, login, success,  
2024-02-10 00:22:49, User1, password failure, failed,  
2024-02-08 13:14:11, User1, password failure, failed,  
2024-02-14 01:11:17, User1, open file, success, Report.pdf  
2024-02-15 21:38:17, User1, password failure, failed,  
2024-02-21 08:14:50, User1, logout, success,  
2024-03-01 01:54:42, User1, logout, success,  
2024-02-17 21:23:21, User1, edit file, success, Presentation.pptx  
2024-02-18 12:22:14, User1, login, success,  
2024-03-02 20:57:59, User1, open file, success, Spreadsheet.xlsx  
2024-02-14 20:40:22, User1, edit file, success, Document1.docx  
2024-02-15 20:00:32, User1, login, success,  
2024-02-16 06:07:38, User1, open file, success, Document1.docx  
2024-02-12 10:39:21, User1, open file, success, Document1.docx
```

Exercise 2

Run the following command:

grep User3 windows_activity_logs.txt

```
lynx@lynx: ~  
lynx@lynx:~$ ls -l  
total 56  
-rw-rw-r-- 1 lynx lynx 56075 Mar  6 17:13 windows_activity_logs.txt  
lynx@lynx:~$ less windows_activity_logs.txt  
lynx@lynx:~$ grep User3 windows_activity_logs.txt  
2024-03-05 08:44:39, User3, edit file, success, Presentation.pptx  
2024-02-12 20:35:58, User3, logout, success,  
2024-02-29 16:40:38, User3, open file, success, Report.pdf  
2024-03-05 13:59:37, User3, login, success,  
2024-02-29 05:15:46, User3, logout, success,  
2024-02-26 20:02:08, User3, open file, success, Spreadsheet.xlsx  
2024-02-23 18:55:26, User3, delete file, success, Report.pdf  
2024-02-21 21:27:15, User3, edit file, success, Presentation.pptx  
2024-03-01 12:03:40, User3, delete file, success, Presentation.pptx  
2024-02-25 19:33:19, User3, open file, success, Report.pdf  
2024-03-06 13:12:11, User3, delete file, success, Presentation.pptx  
2024-03-02 22:41:08, User3, password failure, failed,  
2024-02-15 13:25:47, User3, login, success,  
2024-02-16 22:23:55, User3, logout, success,  
2024-02-08 22:41:56, User3, login, success,  
2024-02-12 00:19:41, User3, password failure, failed,  
2024-03-03 06:00:09, User3, edit file, success, Document1.docx  
2024-02-10 00:59:10, User3, logout, success,  
2024-02-14 23:50:50, User3, edit file, success, Document1.docx  
2024-02-08 12:50:13, User3, logout, success,  
2024-02-22 08:55:51, User3, open file, success, Document1.docx  
2024-02-21 06:26:43, User3, delete file, success, Document1.docx  
2024-03-06 12:15:22, User3, open file, success, Presentation.pptx  
2024-03-02 14:55:52, User3, edit file, success, Spreadsheet.xlsx  
2024-02-09 14:40:04, User3, open file, success, Spreadsheet.xlsx  
2024-02-09 16:18:35, User3, password failure, failed,  
2024-02-12 18:46:16, User3, logout, success,  
2024-03-05 18:19:28, User3, open file, success, Spreadsheet.xlsx  
2024-02-09 14:51:06, User3, login, success,  
2024-02-19 22:54:47, User3, open file, success, Document1.docx  
2024-03-03 17:10:42, User3, password failure, failed,  
2024-02-15 13:04:42, User3, edit file, success, Document1.docx  
2024-02-18 23:40:47, User3, login, success,  
2024-02-13 11:51:07, User3, delete file, success, Document1.docx  
2024-03-03 13:03:45, User3, password failure, failed,  
2024-02-22 00:37:41, User3, edit file, success, Document1.docx
```

Exercise 3

Search the file for **document1** using the previous commands as a template.

When successful, search the file for **document1.docx** using the previous commands as a template.

```
Select lynx@lynx: ~  
2024-03-05 15:53:31, User4, edit file, success, Document1.docx  
2024-02-15 04:28:02, User4, delete file, success, Document1.docx  
2024-02-29 23:06:58, User2, open file, success, Document1.docx  
2024-02-28 11:24:56, User2, edit file, success, Document1.docx  
2024-02-08 21:47:26, User4, open file, success, Document1.docx  
2024-02-22 04:01:16, User1, edit file, success, Document1.docx  
2024-02-09 21:43:59, User2, edit file, success, Document1.docx  
2024-02-18 11:35:55, User2, delete file, success, Document1.docx  
2024-02-13 21:59:30, User1, delete file, success, Document1.docx  
2024-02-06 04:02:09, User4, open file, success, Document1.docx  
2024-02-24 10:41:54, User1, open file, success, Document1.docx  
2024-02-24 19:04:41, User3, edit file, success, Document1.docx  
2024-02-12 03:04:54, User1, delete file, success, Document1.docx  
lynx@lynx:~$ grep docx windows_activity_logs.txt  
2024-02-10 00:01:56, User4, open file, success, Document1.docx  
2024-02-19 21:09:17, User2, open file, success, Document1.docx  
2024-02-21 09:50:04, User2, edit file, success, Document1.docx  
2024-02-07 22:35:42, User2, edit file, success, Document1.docx  
2024-02-21 01:46:12, User4, edit file, success, Document1.docx  
2024-02-19 22:15:55, User1, edit file, success, Document1.docx  
2024-03-02 10:27:23, User1, delete file, success, Document1.docx  
2024-03-04 02:43:50, User1, open file, success, Document1.docx  
2024-02-17 16:29:02, User4, open file, success, Document1.docx  
2024-02-26 12:14:39, User2, open file, success, Document1.docx  
2024-03-03 06:00:09, User3, edit file, success, Document1.docx
```

Exercise 4

Task 1

Make a second copy of `windows_activity_logs.txt` and name it `windows_activity_logs2.txt`.

```
lynx@lynx: ~  
2024-02-10 05:28:11, User4, edit file, success, Document1.docx  
2024-02-06 22:48:26, User2, delete file, success, Document1.docx  
2024-03-03 18:44:55, User2, delete file, success, Document1.docx  
2024-02-20 09:24:52, User1, delete file, success, Document1.docx  
2024-02-14 06:15:19, User1, delete file, success, Document1.docx  
2024-02-11 09:05:39, User3, edit file, success, Document1.docx  
2024-03-05 15:53:31, User4, edit file, success, Document1.docx  
2024-02-15 04:28:02, User4, delete file, success, Document1.docx  
2024-02-29 23:06:58, User2, open file, success, Document1.docx  
2024-02-28 11:24:56, User2, edit file, success, Document1.docx  
2024-02-08 21:47:26, User4, open file, success, Document1.docx  
2024-02-22 04:01:16, User1, edit file, success, Document1.docx  
2024-02-09 21:43:59, User2, edit file, success, Document1.docx  
2024-02-18 11:35:55, User2, delete file, success, Document1.docx  
2024-02-13 21:59:30, User1, delete file, success, Document1.docx  
2024-02-06 04:02:09, User4, open file, success, Document1.docx  
2024-02-24 10:41:54, User1, open file, success, Document1.docx  
2024-02-24 19:04:41, User3, edit file, success, Document1.docx  
2024-02-12 03:04:54, User1, delete file, success, Document1.docx  
lynx@lynx:~$  
lynx@lynx:~$  
lynx@lynx:~$  
lynx@lynx:~$  
lynx@lynx:~$ cp windows_activity_logs.txt windows_activity_logs2.txt  
lynx@lynx:~$  
lynx@lynx:~$ ls -l  
total 112  
-rw-rw-r-- 1 lynx lynx 56075 Mar  6 17:31 windows_activity_logs2.txt  
-rw-rw-r-- 1 lynx lynx 56075 Mar  6 17:13 windows_activity_logs.txt  
lynx@lynx:~$
```

Task 2

Use the `md5sum` command along with the wildcard character to generate and compare the MD5 hashes of two files.

Determine the significance of identical hashes.

Both hashes are identical because the content of both files are the same.

```
lynx@lynx: ~  
2024-02-20 17:25:45, User4, open file, success, Document1.docx  
2024-02-20 22:13:41, User1, open file, success, Document1.docx  
2024-03-05 20:05:35, User2, delete file, success, Document1.docx  
2024-02-11 11:32:19, User3, open file, success, Document1.docx  
2024-02-16 08:09:57, User4, delete file, success, Document1.docx  
2024-02-27 18:48:21, User2, open file, success, Document1.docx  
2024-02-07 02:19:05, User1, edit file, success, Document1.docx  
2024-02-06 09:34:38, User3, delete file, success, Document1.docx  
2024-02-24 15:11:53, User1, delete file, success, Document1.docx  
2024-02-17 01:07:43, User3, open file, success, Document1.docx  
2024-02-15 21:39:26, User2, open file, success, Document1.docx  
2024-03-04 16:37:34, User1, open file, success, Document1.docx  
2024-02-12 18:44:01, User1, open file, success, Document1.docx  
2024-02-23 21:12:28, User2, edit file, success, Document1.docx  
2024-02-10 05:28:11, User4, edit file, success, Document1.docx  
2024-02-06 22:48:26, User2, delete file, success, Document1.docx  
2024-03-03 18:44:55, User2, delete file, success, Document1.docx  
2024-02-20 09:24:52, User1, delete file, success, Document1.docx  
2024-02-14 06:15:19, User1, delete file, success, Document1.docx  
2024-02-11 09:05:39, User3, edit file, success, Document1.docx  
2024-03-05 15:53:31, User4, edit file, success, Document1.docx  
2024-02-15 04:28:02, User4, delete file, success, Document1.docx  
2024-02-29 23:06:58, User2, open file, success, Document1.docx  
2024-02-28 11:24:56, User2, edit file, success, Document1.docx  
2024-02-08 21:47:26, User4, open file, success, Document1.docx  
2024-02-22 04:01:16, User1, edit file, success, Document1.docx  
2024-02-09 21:43:59, User2, edit file, success, Document1.docx  
2024-02-18 11:35:55, User2, delete file, success, Document1.docx  
2024-02-13 21:59:30, User1, delete file, success, Document1.docx  
2024-02-06 04:02:09, User4, open file, success, Document1.docx  
2024-02-24 10:41:54, User1, open file, success, Document1.docx  
2024-02-24 19:04:41, User3, edit file, success, Document1.docx  
2024-02-12 03:04:54, User1, delete file, success, Document1.docx  
lynx@lynx:~$ ls -l  
total 112  
-rw-rw-r-- 1 lynx lynx 56075 Mar  6 17:31 windows_activity_logs2.txt  
-rw-rw-r-- 1 lynx lynx 56075 Mar  6 17:13 windows_activity_logs.txt  
lynx@lynx:~$ md5sum windows_activity_logs*.txt  
8c21974b8df2c0771ba8854b25f20b33 windows_activity_logs2.txt  
8c21974b8df2c0771ba8854b25f20b33 windows_activity_logs.txt  
lynx@lynx:~$
```

Task 3

Use the **diff** command to compare two files. Understand the implication of receiving no output from this comparison.

```
lynx@lynx:~$ diff windows_activity_logs.txt windows_activity_logs2.txt
lynx@lynx:~$
```

Exercise 5

Use the **grep** command along with a wildcard to search for the term "**Spreadsheet.xls**" across multiple files, specifying "filename" as a part of the file search pattern.
PROTIP: A wildcard will be involved. Double check Exercise 4.

```
lynx@lynx:~$ md5sum windows_activity_logs*.txt
8c21974b8df2c0771ba8854b25f20b33 windows_activity_logs.txt
8c21974b8df2c0771ba8854b25f20b33 windows_activity_logs2.txt
lynx@lynx:~$ grep Spreadsheet.xls windows_activity_logs*.txt
windows_activity_logs2.txt:2024-02-26 13:08:59, User4, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-27 02:56:50, User1, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-08 13:41:26, User4, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-14 10:20:58, User1, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-15 03:37:17, User2, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-26 20:02:08, User3, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-19 13:50:38, User1, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-11 05:32:23, User2, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-02 07:53:08, User4, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-21 19:50:40, User2, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-09 09:28:14, User2, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-18 21:52:54, User4, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-06 11:41:04, User2, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-14 20:50:58, User2, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-05 16:37:18, User4, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-02 20:57:59, User1, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-02 14:55:52, User3, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-09 14:40:04, User3, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-05 18:19:28, User3, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-17 17:31:49, User2, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-06 10:31:28, User2, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-06 05:06:09, User1, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-11 02:45:21, User2, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-11 16:21:39, User2, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-29 15:54:59, User3, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-07 05:25:54, User3, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-16 02:23:29, User3, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-23 11:51:09, User3, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-27 11:41:28, User1, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-02 15:49:53, User3, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-03-01 15:02:11, User4, open file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-18 08:46:55, User4, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-06 17:54:21, User4, delete file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-26 01:36:54, User1, edit file, success, Spreadsheet.xlsx
windows_activity_logs2.txt:2024-02-25 22:11:20, User1, edit file, success, Spreadsheet.xlsx
```

Exercise 6

Task 1

Find any logs with **User2** AND **open file** and then redirect it to a file called **log1.txt**

```
Select lynx@lynx:~$ grep -E 'User2| open file' windows_activity_logs.txt > log1.txt
lynx@lynx:~$ tail log1.txt
2024-02-22 06:30:07, User2, login, success,
2024-02-06 04:02:09, User4, open file, success, Document1.docx
2024-03-02 07:35:07, User3, open file, success, Report.pdf
2024-02-24 10:41:54, User1, open file, success, Document1.docx
2024-02-07 10:43:29, User1, open file, success, Report.pdf
2024-02-21 05:33:42, User2, delete file, success, Report.pdf
2024-02-21 01:08:08, User2, edit file, success, Spreadsheet.xlsx
2024-02-24 23:22:59, User4, open file, success, Report.pdf
2024-02-06 01:24:09, User4, open file, success, Report.pdf
2024-02-13 23:48:47, User2, edit file, success, Report.pdf
lynx@lynx:~$
```

Task 2

Find logs that contain both "User1" and "failed":

```
grep 'User1' windows_activity_logs.txt | grep 'failed'
```

But then append it to **log1.txt**

```
lynx@lynx:~$ cat log1.txt
hello
world
today
lynx@lynx:~$ grep -E 'User4| success' windows_activity_logs.txt > log1.txt
lynx@lynx:~$ tail log1.txt
2024-02-12 03:04:54, User1, delete file, success, Document1.docx
2024-02-21 01:08:08, User2, edit file, success, Spreadsheet.xlsx
2024-02-19 06:16:02, User4, password failure, failed,
2024-02-24 23:22:59, User4, open file, success, Report.pdf
2024-03-03 07:47:35, User1, edit file, success, Report.pdf
2024-02-14 02:08:45, User1, edit file, success, Spreadsheet.xlsx
2024-02-08 06:24:40, User1, logout, success,
2024-02-06 01:24:00, User4, open file, success, Report.pdf
2024-03-02 00:11:47, User1, delete file, success, Spreadsheet.xlsx
2024-02-13 23:48:47, User2, edit file, success, Report.pdf
lynx@lynx:~$ grep -E 'User4| success' windows_activity_logs.txt > log1.txt >> log1.txt
lynx@lynx:~$ tail log1.txt
2024-02-12 03:04:54, User1, delete file, success, Document1.docx
2024-02-21 01:08:08, User2, edit file, success, Spreadsheet.xlsx
2024-02-19 06:16:02, User4, password failure, failed,
2024-02-24 23:22:59, User4, open file, success, Report.pdf
2024-03-03 07:47:35, User1, edit file, success, Report.pdf
2024-02-14 02:08:45, User1, edit file, success, Spreadsheet.xlsx
2024-02-08 06:24:40, User1, logout, success,
2024-02-06 01:24:00, User4, open file, success, Report.pdf
2024-03-02 00:11:47, User1, delete file, success, Spreadsheet.xlsx
2024-02-13 23:48:47, User2, edit file, success, Report.pdf
lynx@lynx:~$
lynx@lynx:~$ grep User1 windows_activity_logs.txt | grep failed >> log1.txt
lynx@lynx:~$ head log1.txt
2024-03-05 08:44:39, User3, edit file, success, Presentation.pptx
2024-02-07 13:15:26, User4, password failure, failed,
2024-02-10 00:01:56, User4, open file, success, Document1.docx
2024-02-23 05:40:33, User1, login, success,
2024-02-19 21:09:17, User2, open file, success, Document1.docx
2024-02-12 20:35:58, User3, logout, success,
2024-02-10 19:25:07, User2, login, success,
2024-02-14 08:40:18, User4, login, success,
2024-02-26 07:37:04, User4, delete file, success, Presentation.pptx
2024-03-06 10:46:41, User1, open file, success, Presentation.pptx
lynx@lynx:~$
```

Exercise 7

Use the **grep** command along with a wildcard to search for **User1** and failed multiple files, specifying "**filename**" as a part of the file search pattern from the file you downloaded and then copied previously.

Save output of the above command into a file called **log2.txt**

```
Select lynx@lynx:~$
lynx@lynx:~$ grep User1 windows_activity_logs*.txt | grep failed > log2.txt
lynx@lynx:~$ cat log2.txt
windows_activity_logs2.txt:2024-02-29 11:32:09, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-28 16:41:19, User1, password failure, failed,
windows_activity_logs2.txt:2024-03-06 01:53:30, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-23 22:41:59, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-08 21:30:30, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-22 19:53:58, User1, password failure, failed,
windows_activity_logs2.txt:2024-03-06 05:47:01, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-10 00:22:49, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-08 13:14:11, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-15 21:38:17, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-10 13:11:09, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-24 23:21:47, User1, password failure, failed,
windows_activity_logs2.txt:2024-02-16 13:10:14, User1, password failure, failed,
```