

lab8

Q1

P1 [P2](#) [P3](#)

Challenge

```
Applications Dec 2 7:21 PM Tilix: tdw@cis106-desktop:~ 30% 52% 0% 0.0 kB 0.0 kB
1/1 + - x
1:tdw@cis106-desktop:~ $ wc -l access.log
100 access.log
tdw@cis106-desktop:~ $ head -1 access.log
2025-08-01 03:57:38 Rize /404 DENIED
tdw@cis106-desktop:~ $ tail -1 access.log
2025-03-26 15:01:22 Walter /upload FAIL
tdw@cis106-desktop:~ $ head -v 15 access.log
head: cannot open '15' for reading: No such file or directory
=> access.log <=
2025-08-01 03:57:38 Rize /404 DENIED
2025-10-22 07:57:24 Spike /download FAIL
2025-06-05 13:02:15 Annie /download SUCCESS
2025-05-05 02:48:56 Annie /logout FAIL
2025-02-26 17:30:10 Haruka /download SUCCESS
2025-02-03 21:32:28 Annie /reset FAIL
2025-01-28 06:01:05 Jet /dashboard FAIL
2025-07-24 02:39:33 Eren /upload FAIL
2025-12-12 06:03:26 Touka /settings FAIL
2025-10-05 18:21:49 Seras /settings SUCCESS
tdw@cis106-desktop:~ $ head -v -15 access.log
head: invalid trailing option -- 1
Try 'head --help' for more information.
tdw@cis106-desktop:~ $ head -15v access.log
=> access.log <=
2025-08-01 03:57:38 Rize /404 DENIED
2025-10-22 07:57:24 Spike /download FAIL
2025-06-05 13:02:15 Annie /download SUCCESS
2025-05-05 02:48:56 Annie /logout FAIL
2025-02-26 17:30:10 Haruka /download SUCCESS
2025-02-03 21:32:28 Annie /reset FAIL
2025-01-28 06:01:05 Jet /dashboard FAIL
2025-07-24 02:39:33 Eren /upload FAIL
2025-12-12 06:03:26 Touka /settings FAIL
2025-10-05 18:21:49 Seras /settings SUCCESS
2025-04-23 06:14:18 Touka /settings SUCCESS
2025-08-26 19:01:10 Faye /upload FAIL
2025-07-03 13:00:12 Ken /admin FAIL
2025-04-01 20:24:47 Asimov /settings DENIED
tdw@cis106-desktop:~ $
```

```
Applications Dec 2 7:26 PM Tilix: tdw@cis106-desktop:~ 12% 51% 0% 0.0 kB 0.0 kB
1/1 + - x
1:tdw@cis106-desktop:~ $ tail -v -n 15 access.log
=> access.log <=
2025-08-18 17:37:17 Rize /settings SUCCESS
2025-05-11 19:13:39 Arisu /upload FAIL
2025-09-13 07:49:42 Edward /upload FAIL
2025-02-28 06:30:47 Ken /logout FAIL
2025-06-09 13:26:45 Touka /settings DENIED
2025-01-23 10:04:57 Asimov /upload DENIED
2025-08-28 20:03:34 Walter /reset SUCCESS
2025-09-26 00:46:07 Shinji /admin FAIL
2025-01-03 01:08:57 Honami /upload FAIL
2025-04-06 20:45:50 Annie /upload FAIL
2025-09-22 09:01:23 Asimov /reset FAIL
2025-08-24 01:33:11 Alisa /404 FAIL
2025-03-03 10:33:15 Annie /reset FAIL
2025-11-21 13:41:43 Ken /dashboard DENIED
2025-03-26 15:01:22 Walter /upload FAIL
tdw@cis106-desktop:~ $
```

```
1:tdw@cis106-desktop:~ tail -v -n 15 access.log
tdw@cis106-desktop:~$ tail -v -n 15 access.log
==> access.log <=+
2025-08-18 17:37:17 Rize /settings SUCCESS
2025-05-10 19:13:39 Arisu /upload FAIL
2025-09-13 07:49:42 Edward /upload FAIL
2025-02-28 06:30:47 Ken /logout FAIL
2025-06-09 13:26:45 Touka /settings DENIED
2025-01-23 19:04:57 Asimov /upload DENIED
2025-08-28 20:03:34 Walter /reset SUCCESS
2025-09-20 00:46:07 Shinji /admin FAIL
2025-01-03 01:08:57 Honami /upload FAIL
2025-04-06 20:45:50 Annie /upload FAIL
2025-09-22 09:01:23 Asimov /reset FAIL
2025-08-24 01:33:11 Julia /404 FAIL
2025-03-03 10:33:13 Annie /reset FAIL
2025-11-23 13:41:43 Ken /dashboard DENIED
2025-03-26 15:01:22 Walter /upload FAIL
tdw@cis106-desktop:~$ cut -d ' ' -f3 access.log
Rize
Spike
Annie
Annie
Haruka
Annie
Jet
Eren
Touka
Seras
Touka
Faye
Ken
Asimov
Spike
Ein
Seras
Walter
Shinji
Jet
```

```
1:tdw@cis106-desktop:~ sort -k 3 -o sorted_access_log_by_usname.log access.log
tdw@cis106-desktop:~$ ls
+           labs           snapshots
access.log   marstenHouse   sorted.access_log_by_usname.log
assets        marstenhouse.sh  Templates
cis-106      marstenhouse.sh1 todo.md
cis106website music          Videos
colors       myhomework    ~website'
Desktop      name          website
Documents    of            website_
Downloads   Pictures      website_ch1_lab7_completed
essentials.sh practice1s   websites
file         practice1s.tar.xz wildcardspractice
inClassActivity practice1s.tar.xz wildcards-in-class-activity-instructions.html
lab5files.zip projectx    wr5
lab6-challenge1 scripts     wr5.md
lab6-challenge2 snap
```

```
1:tdw@cis106-desktop:~ sort -k 4 -o sorted.access_log_by_endpoint.log access.log
tdw@cis106-desktop:~$ sort -k 4 -o sorted.access_log_by_endpoint.log access.log
2025-05-24 07:21:50 Kel /404 DENIED
2025-08-01 03:57:38 Rize /404 DENIED
2025-05-09 22:47:44 Edward /404 FAIL
2025-08-24 01:33:11 Julia /404 FAIL
2025-02-24 22:10:17 Faye /404 SUCCESS
2025-11-20 07:09:37 Asimov /404 SUCCESS
2025-09-26 04:15:42 Seras /admin DENIED
2025-11-12 12:50:04 Edward /admin DENIED
2025-11-18 07:22:44 Asimov /admin DENIED
2025-02-17 02:11:40 Kel /admin FAIL
```