

Commandline Challenge

cmdchallenge.com/#/last_lines

Command Challenge

View Solutions

Print the last 5 lines of "access.log".

```
(0)> tail -5 *
```

Correct! You have a new challenge!

```
1 199.37.62.156 - - [09/Jun/2017:22:42:18 +0100] "GET /posts/1/display HTTP/1.0" 200 2477
2 55.74.240.123 - - [09/Jun/2017:22:44:25 +0100] "POST /posts/1/display HTTP/1.0" 200 3471
3 251.111.199.143 - - [09/Jun/2017:22:49:02 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 2477
4 101.163.230.250 - - [09/Jun/2017:22:52:31 +0100] "DELETE /posts/2/display HTTP/1.0" 404 2477
5 200.19.168.148 - - [09/Jun/2017:22:57:11 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 3471
```

Friday September 18, 11:10:04 PM

Commandline Challenge

cmdchallenge.com/#/create_file

Command Challenge

View Solutions

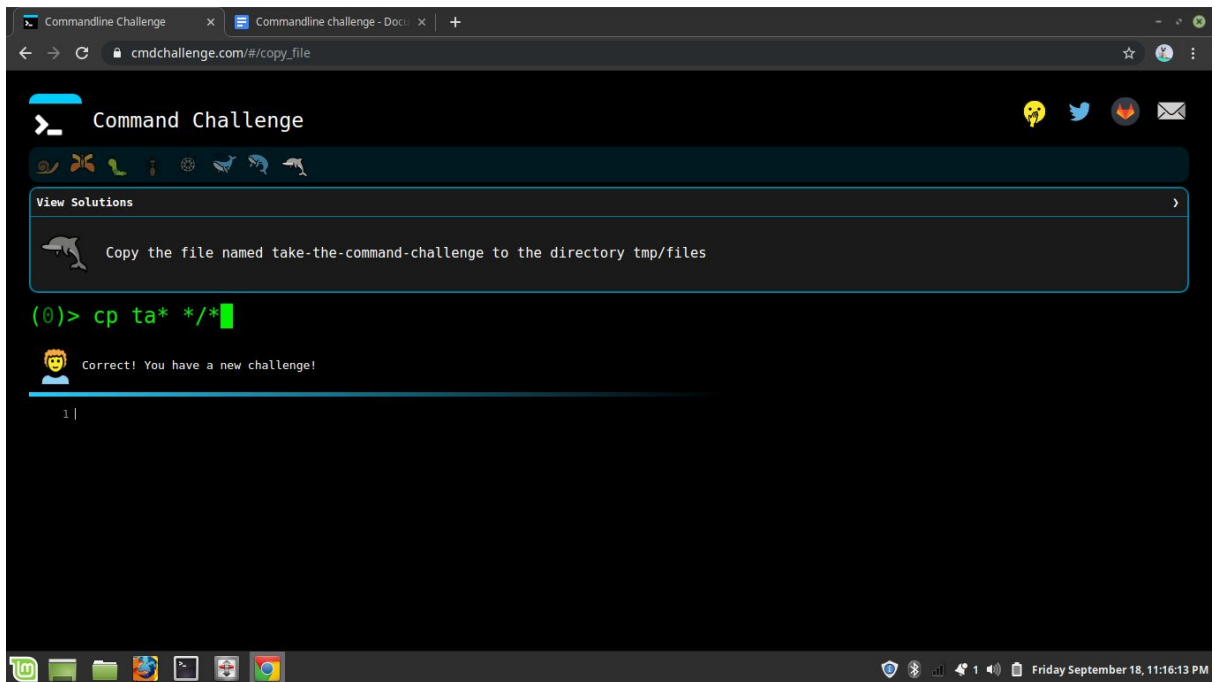
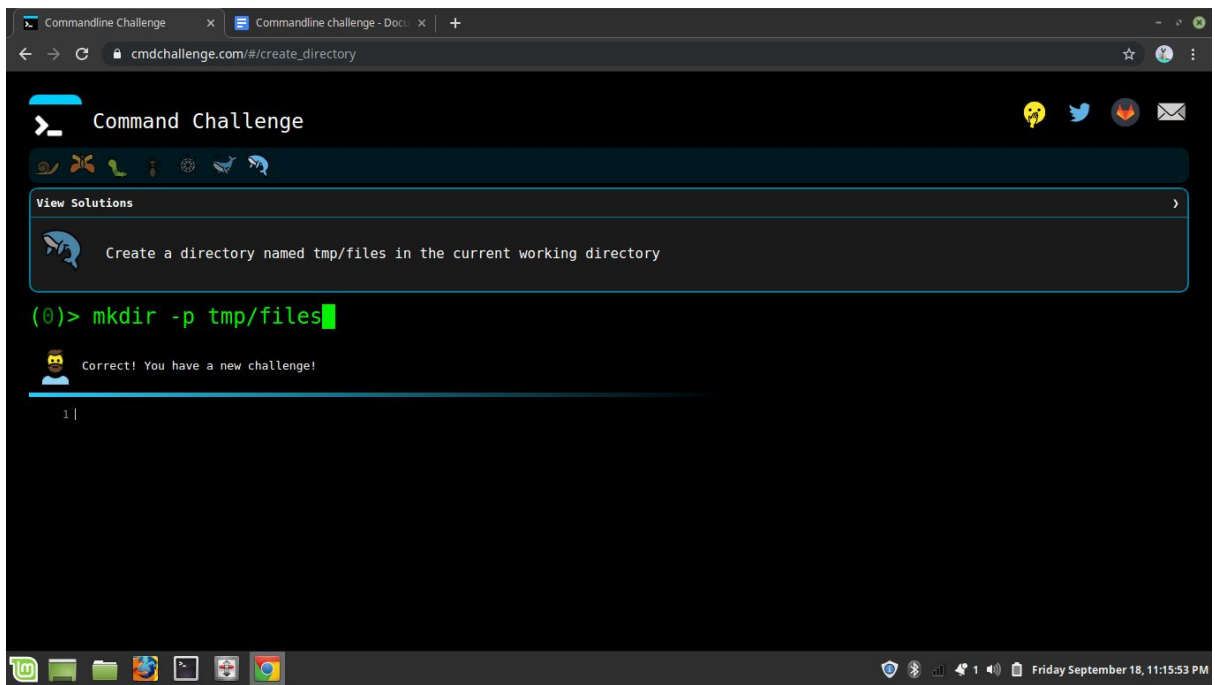
Create an empty file named take-the-command-challenge in the current working directory.

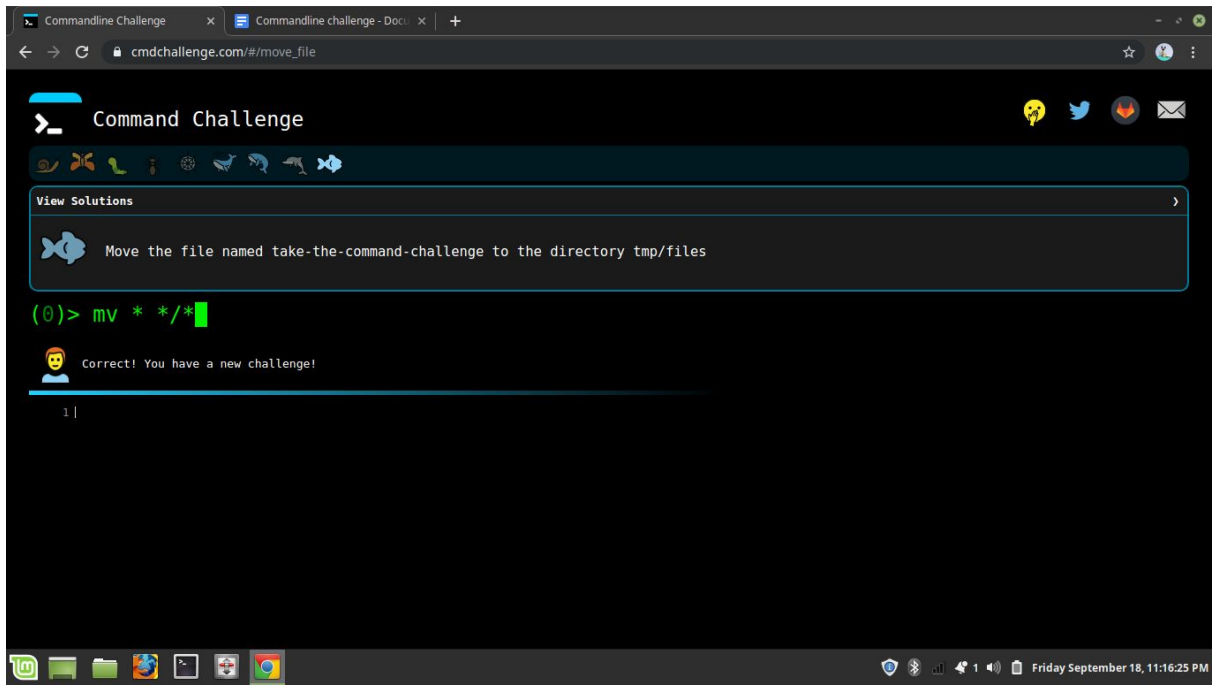
```
(0)> >take-the-command-challenge
```

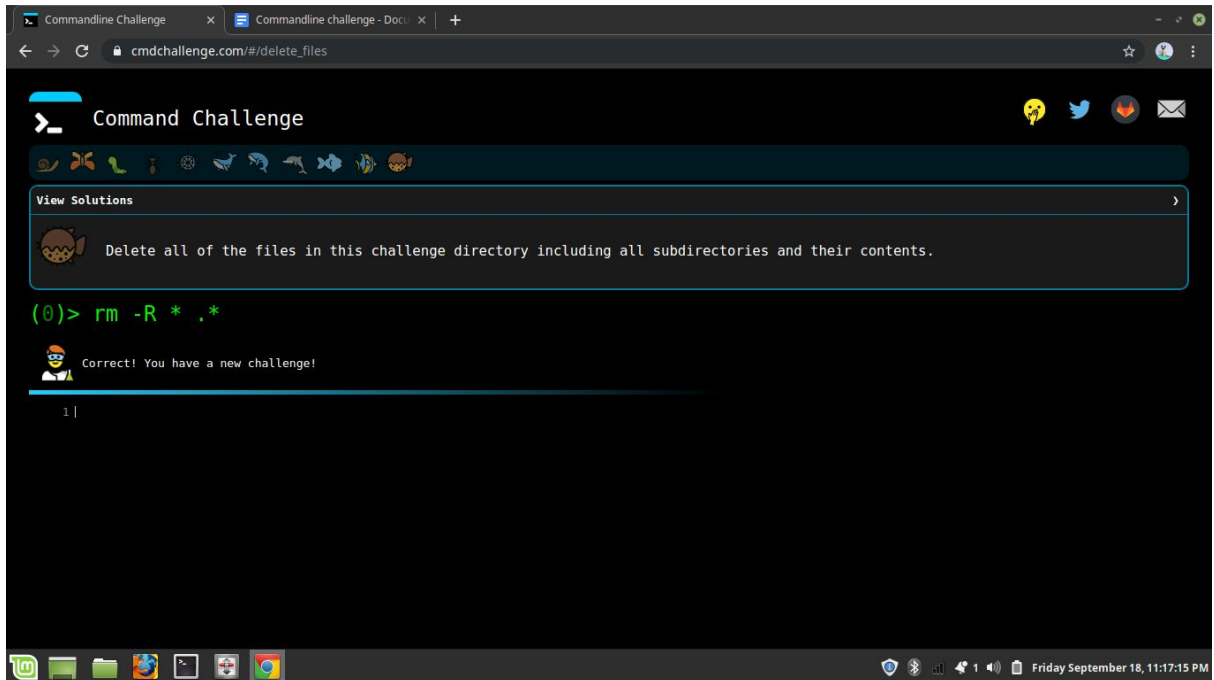
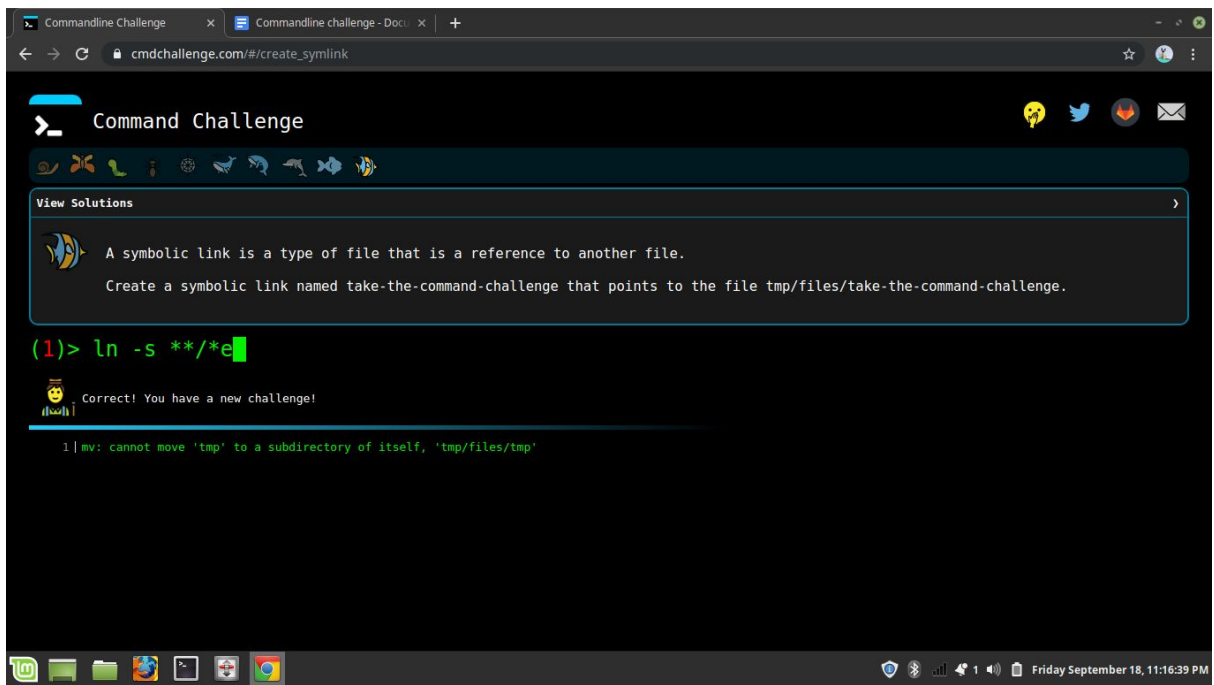
Correct! You have a new challenge!

```
1 199.37.62.156 - - [09/Jun/2017:22:42:18 +0100] "GET /posts/1/display HTTP/1.0" 200 2477
2 55.74.240.123 - - [09/Jun/2017:22:44:25 +0100] "POST /posts/1/display HTTP/1.0" 200 3471
3 251.111.199.143 - - [09/Jun/2017:22:49:02 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 2477
4 101.163.230.250 - - [09/Jun/2017:22:52:31 +0100] "DELETE /posts/2/display HTTP/1.0" 404 2477
5 200.19.168.148 - - [09/Jun/2017:22:57:11 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 3471
```

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Commandline Challenge x Commandline challenge - Docu x +

cmdchallenge.com/#/remove_files_with_extension

Command Challenge

View Solutions

There are files in this challenge with different file extensions. Remove all files with the .doc extension recursively in the current working directory.

```
(137)> find . -name "*.doc" -delete
```

Test failed, expecting 4 files - try again

```
1 rm: cannot remove '/dev/shm': Device or resource busy
2 rm: cannot remove '/dev/mqueue': Device or resource busy
3 rm: cannot remove '/dev/pts/ptmx': Operation not permitted
4 rm: cannot remove '/etc/hostname': Device or resource busy
5 rm: cannot remove '/proc/fs/ext4/dm-0/options': Read-only file system
6 rm: cannot remove '/proc/fs/ext4/dm-0/mb_groups': Read-only file system
7 rm: cannot remove '/proc/fs/ext4/dm-0/es_shrinker_info': Read-only file system
8 rm: cannot remove '/proc/fs/ext4/sda1/options': Read-only file system
9 rm: cannot remove '/proc/fs/ext4/sda1/mb_groups': Read-only file system
10 rm: cannot remove '/proc/fs/ext4/sda1/es_shrinker_info': Read-only file system
11 rm: cannot remove '/proc/fs/ext4/sda8/options': Read-only file system
12 rm: cannot remove '/proc/fs/ext4/sda8/mb_groups': Read-only file system
13 rm: cannot remove '/proc/fs/ext4/sda8/es_shrinker_info': Read-only file system
14 rm: cannot remove '/proc/fs/jbd2/sda1-8/info': Read-only file system
15 rm: cannot remove '/proc/fs/jbd2/sda8-8/info': Read-only file system
16 rm: cannot remove '/proc/fs/nfsd': Read-only file system
17 rm: cannot remove '/proc/bus/pci/00/00.0': Read-only file system
18 rm: cannot remove '/proc/bus/pci/00/01.0': Read-only file system
19 rm: cannot remove '/proc/bus/pci/00/01.3': Read-only file system
20 rm: cannot remove '/proc/bus/pci/00/03.0': Read-only file system
```

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Commandline Challenge x Commandline challenge - Docu x +

cmdchallenge.com/#/find_string_in_a_file

Command Challenge

View Solutions

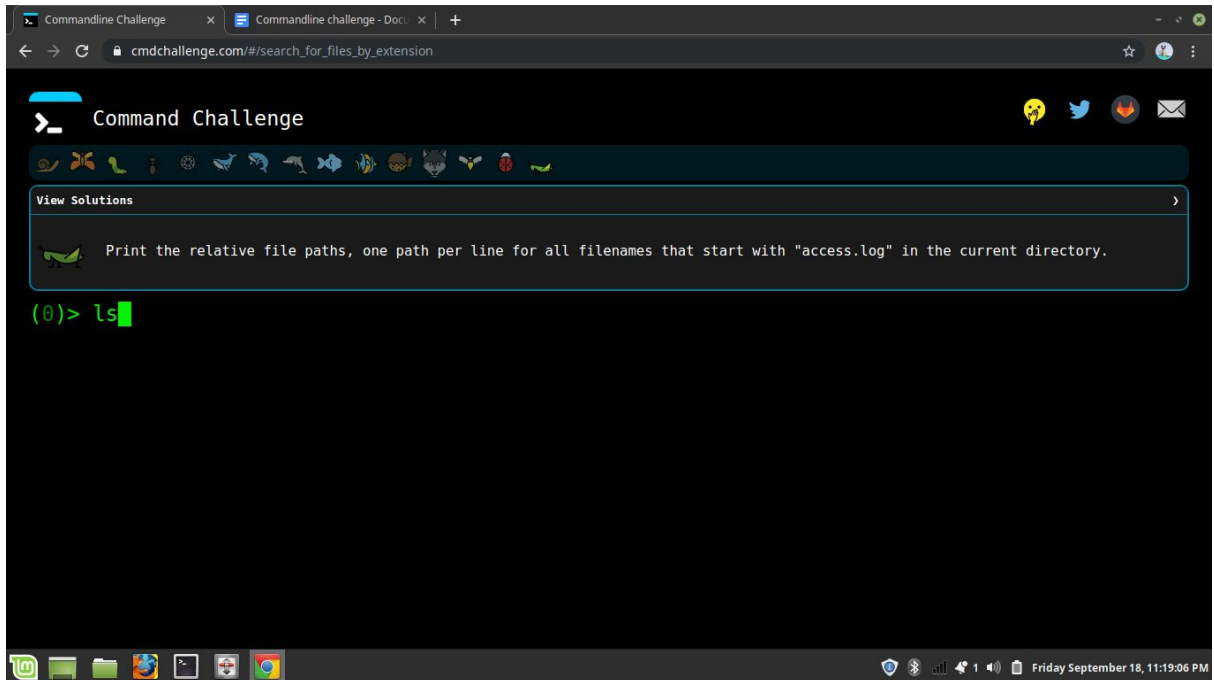
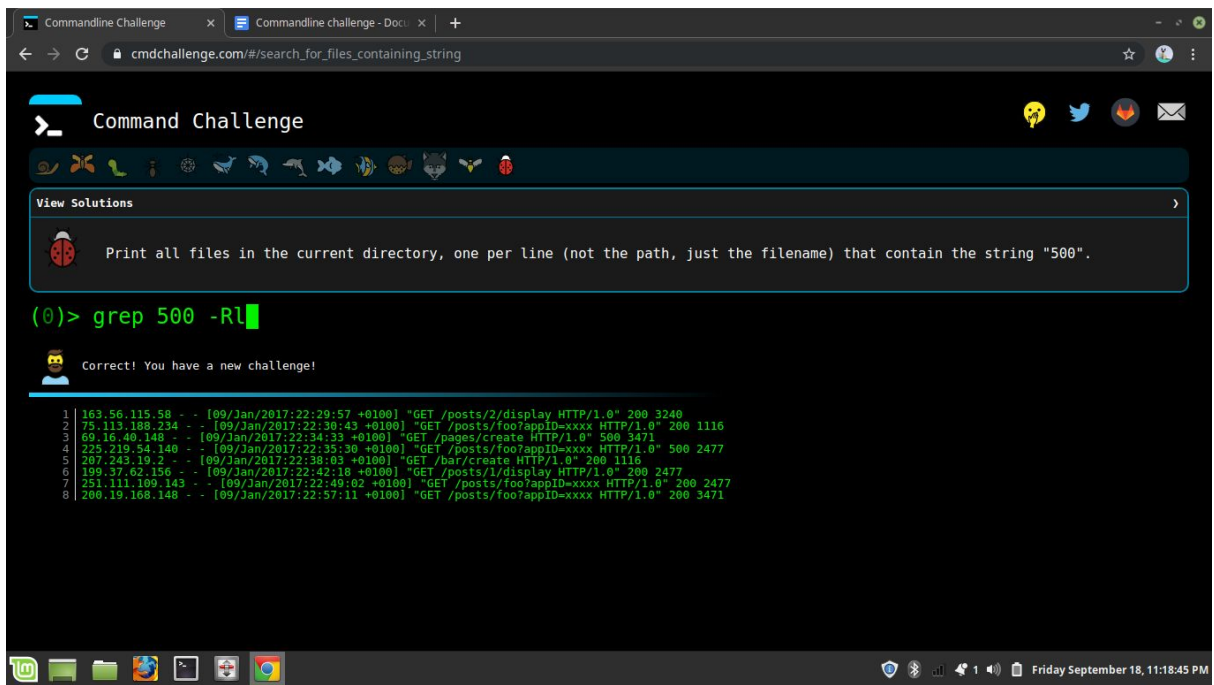
There is a file named access.log in the current working directory. Print all lines in this file that contains the string "GET".

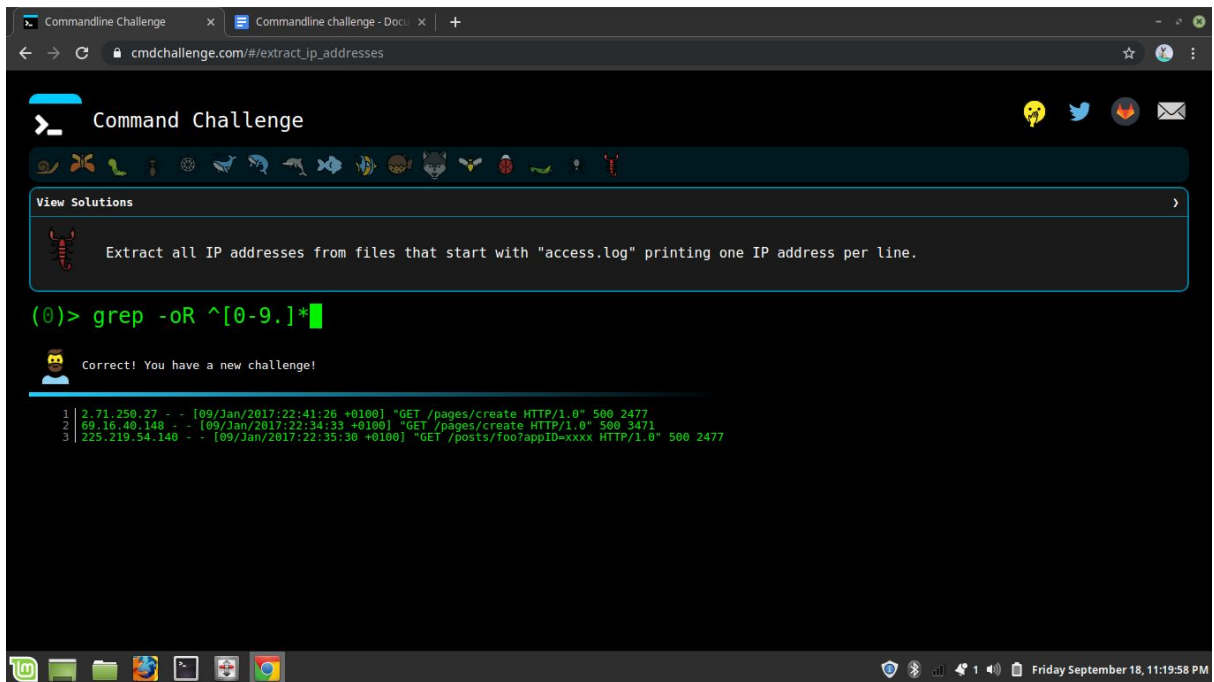
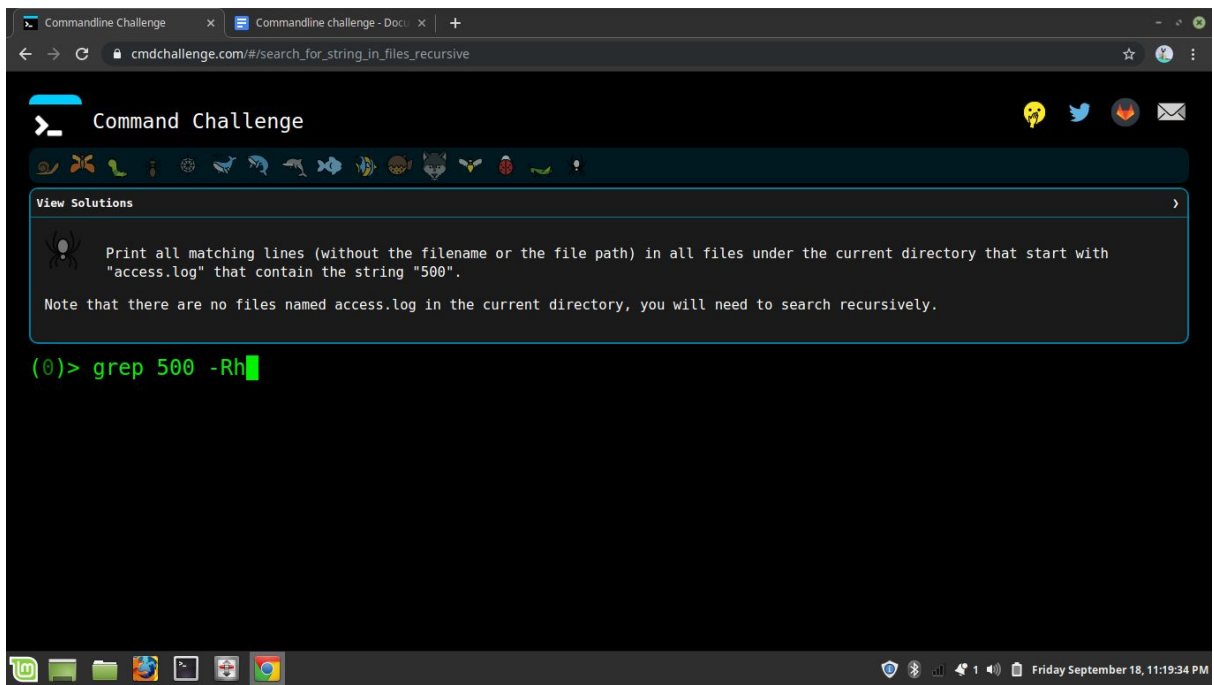
```
(0)> grep GET *
```

Correct! You have a new challenge!

```
1 |
```

Friday September 18, 11:18:31 PM





Commandline Challenge

cmdchallenge.com/#/count_files

Command Challenge

View Solutions

Count the number of files in the current working directory. Print the number of files as a single integer.

```
(0)> vdir|wc -l
```

Correct! You have a new challenge!

```
1 var/log/httpd/access.log:1:108.68.174.15
2 var/log/httpd/access.log:1:17.2.20.139
3 var/log/httpd/access.log:1:20.151.137.59
4 var/log/httpd/access.log:1:199.150.241.179
5 var/log/httpd/access.log:1:2.71.250.27
6 var/log/httpd/access.log:1:17.137.186.194
7 var/log/httpd/access.log:1:151.84.119.34
8 var/log/httpd/access.log:1:4.180.204.195
9 var/log/httpd/access.log:1:9.230.96.54
10 var/log/httpd/access.log:1:157.143.235.21
11 var/log/httpd/access.log:163.56.115.58
12 var/log/httpd/access.log:75.113.188.234
13 var/log/httpd/access.log:69.16.40.148
14 var/log/httpd/access.log:225.219.54.140
15 var/log/httpd/access.log:207.243.19.2
16 var/log/httpd/access.log:190.37.62.156
17 var/log/httpd/access.log:55.74.240.123
18 var/log/httpd/access.log:251.111.109.143
19 var/log/httpd/access.log:101.163.230.250
20 var/log/httpd/access.log:200.19.168.148
```

Friday September 18, 11:20:35 PM

Commandline Challenge

cmdchallenge.com/#/simple_sort

Command Challenge

View Solutions

Print the contents of access.log sorted.

```
(0)> sort a*
```

Correct! You have a new challenge!

```
1 | 2
```

Friday September 18, 11:20:48 PM

Commandline Challenge

cmdchallenge.com/#/count_string_in_line

Command Challenge

Print the number of lines in access.log that contain the string "GET".

```
(0)> grep -c G *
```

Correct! You have a new challenge!

```
1 101.163.230.250 - - [09/Jan/2017:22:52:31 +0100] "DELETE /posts/2/display HTTP/1.0" 404 2477
2 163.56.115.58 - - [09/Jan/2017:22:29:57 +0100] "GET /posts/2/display HTTP/1.0" 200 3240
3 199.37.62.156 - - [09/Jan/2017:22:42:19 +0100] "GET /posts/1/display HTTP/1.0" 200 2477
4 200.19.168.148 - - [09/Jan/2017:22:57:11 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 3471
5 207.243.19.2 - - [09/Jan/2017:22:38:03 +0100] "GET /bar/create HTTP/1.0" 200 1116
6 225.219.54.148 - - [09/Jan/2017:22:35:30 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 500 2477
7 251.111.109.143 - - [09/Jan/2017:22:49:02 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 2477
8 55.74.240.123 - - [09/Jan/2017:22:44:25 +0100] "POST /posts/1/display HTTP/1.0" 200 3471
9 69.16.40.148 - - [09/Jan/2017:22:34:33 +0100] "GET /pages/create HTTP/1.0" 500 3471
10 75.113.188.234 - - [09/Jan/2017:22:30:45 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 1116
```

Friday September 18, 11:21:12 PM

Commandline Challenge

cmdchallenge.com/#/split_on_a_char

Command Challenge

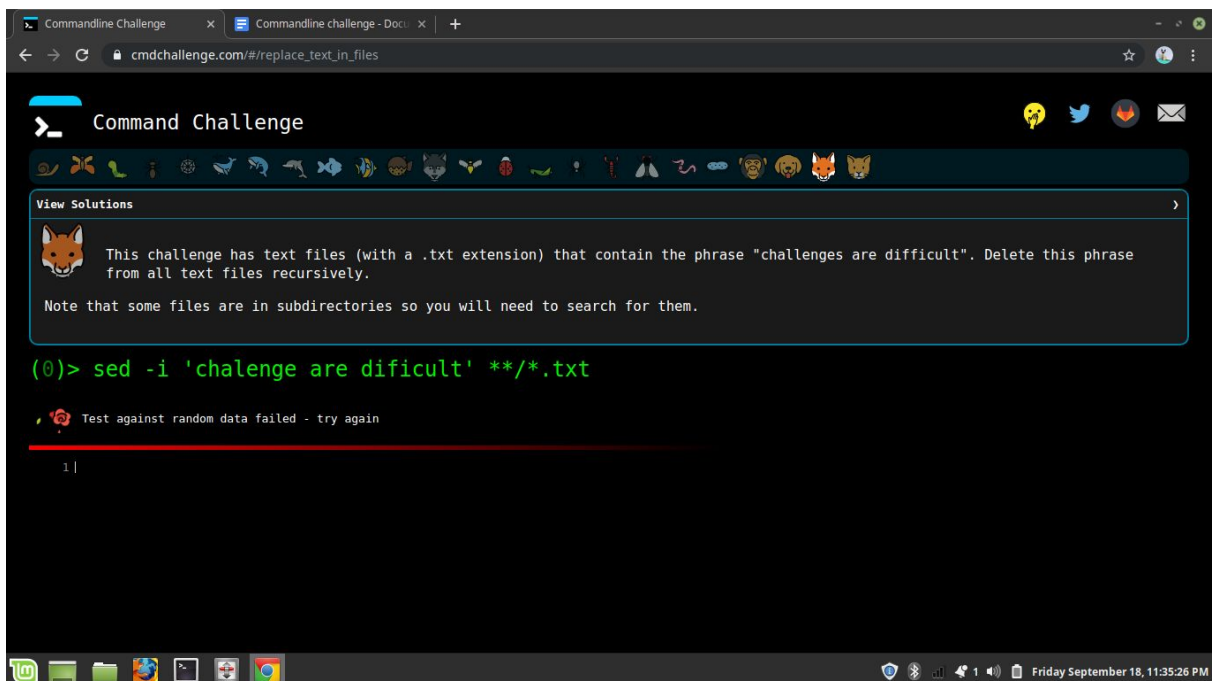
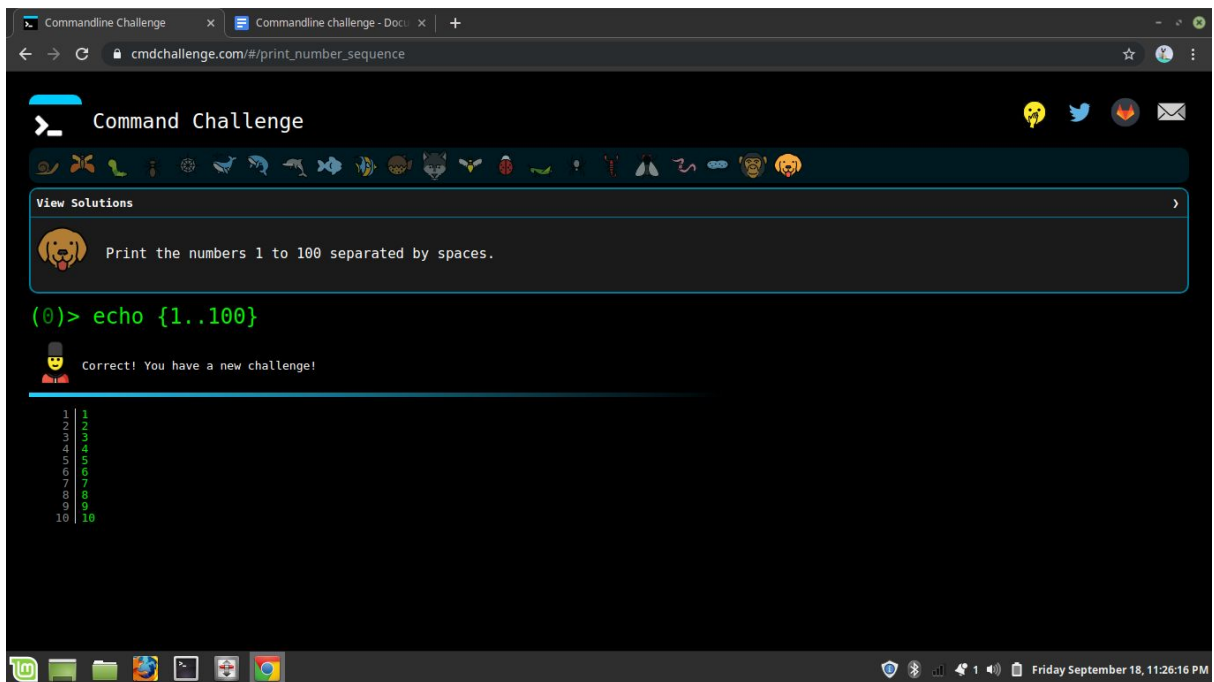
The file split-me.txt contains a list of numbers separated by a ; character. Split the numbers on the ; character, one number per line.

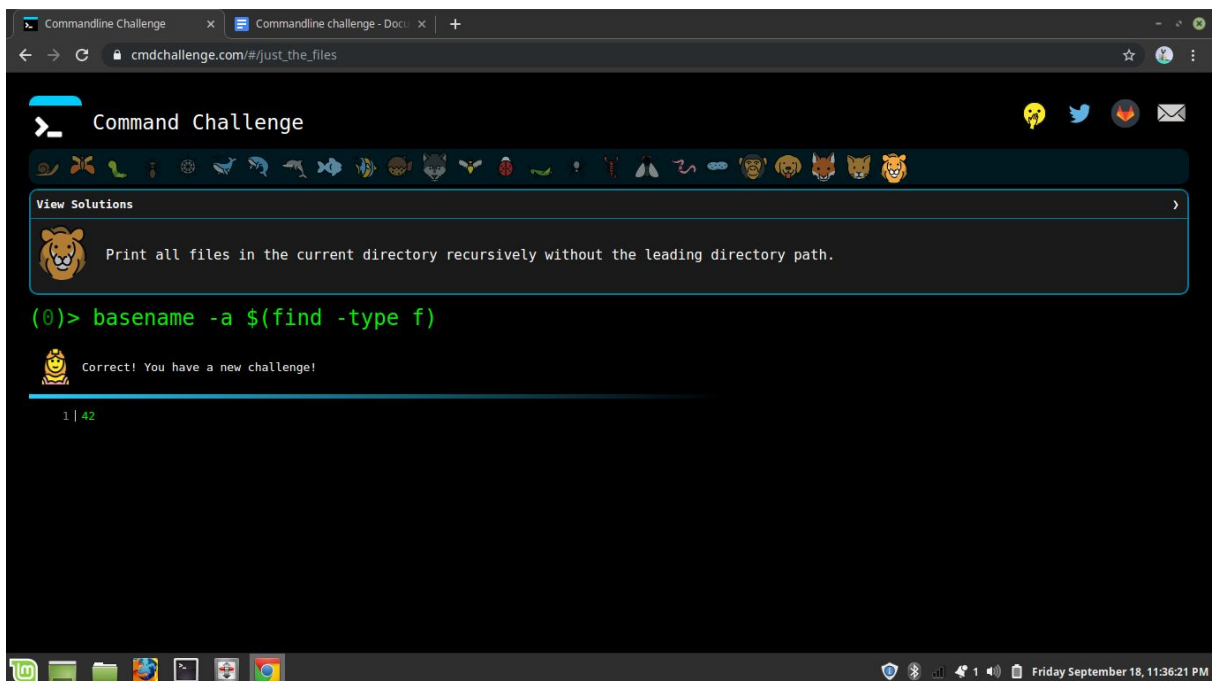
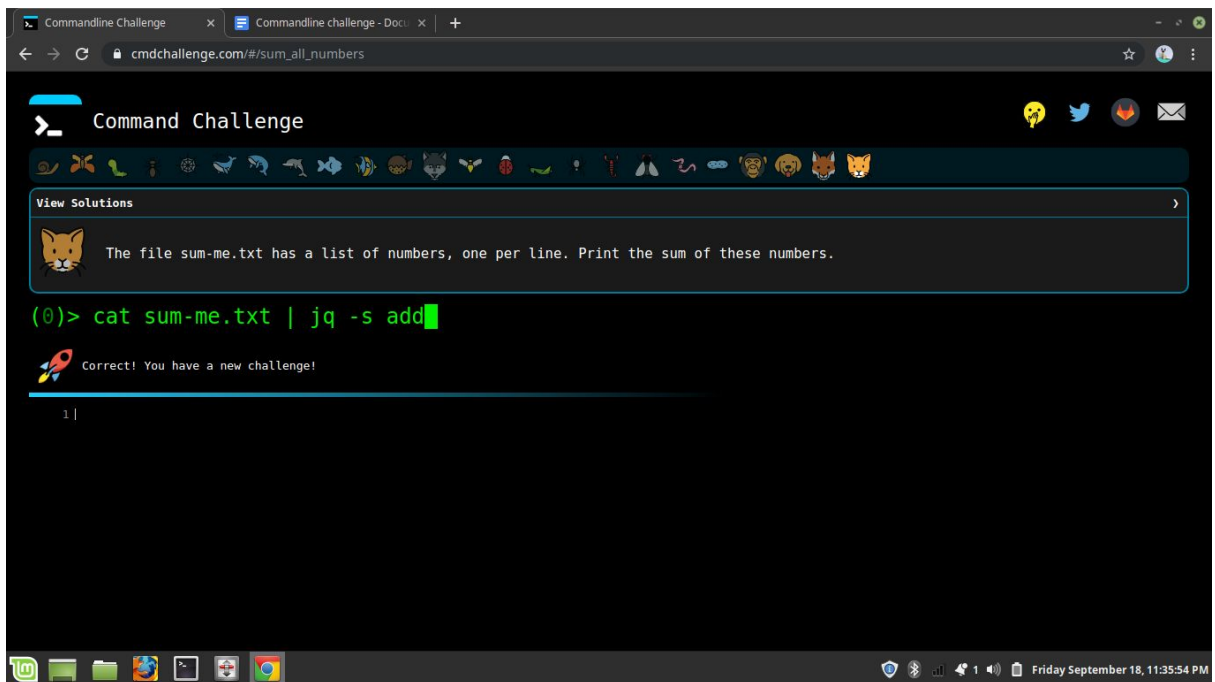
```
(0)> bc<*
```

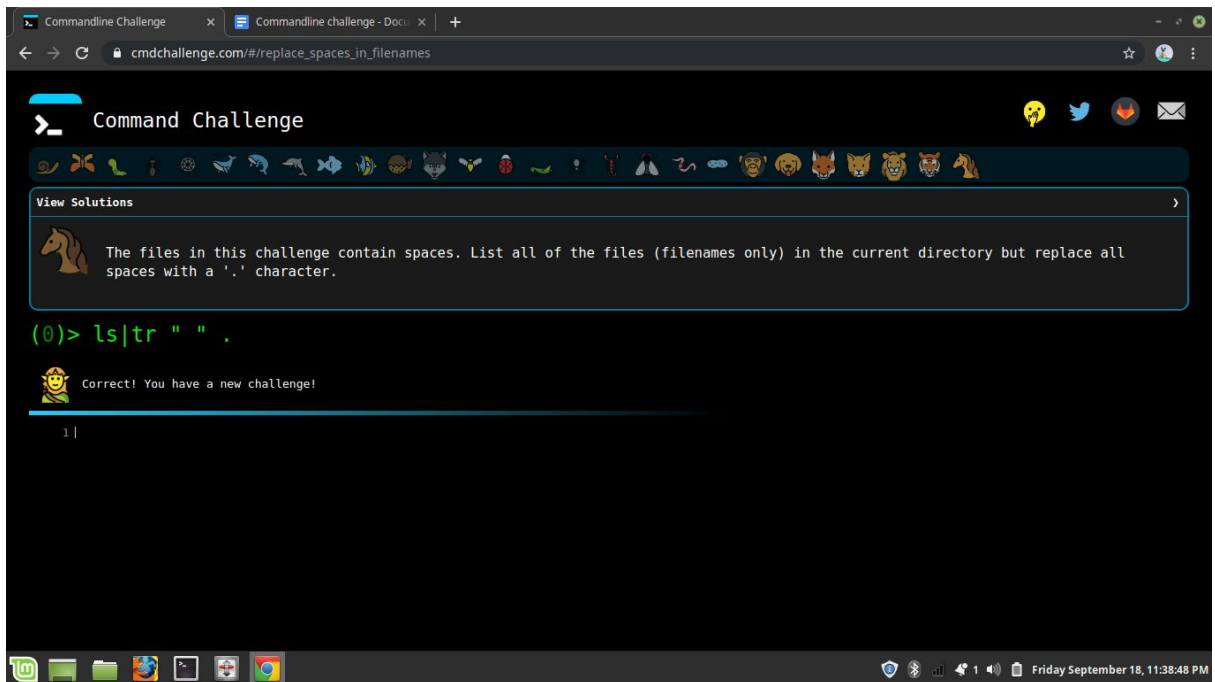
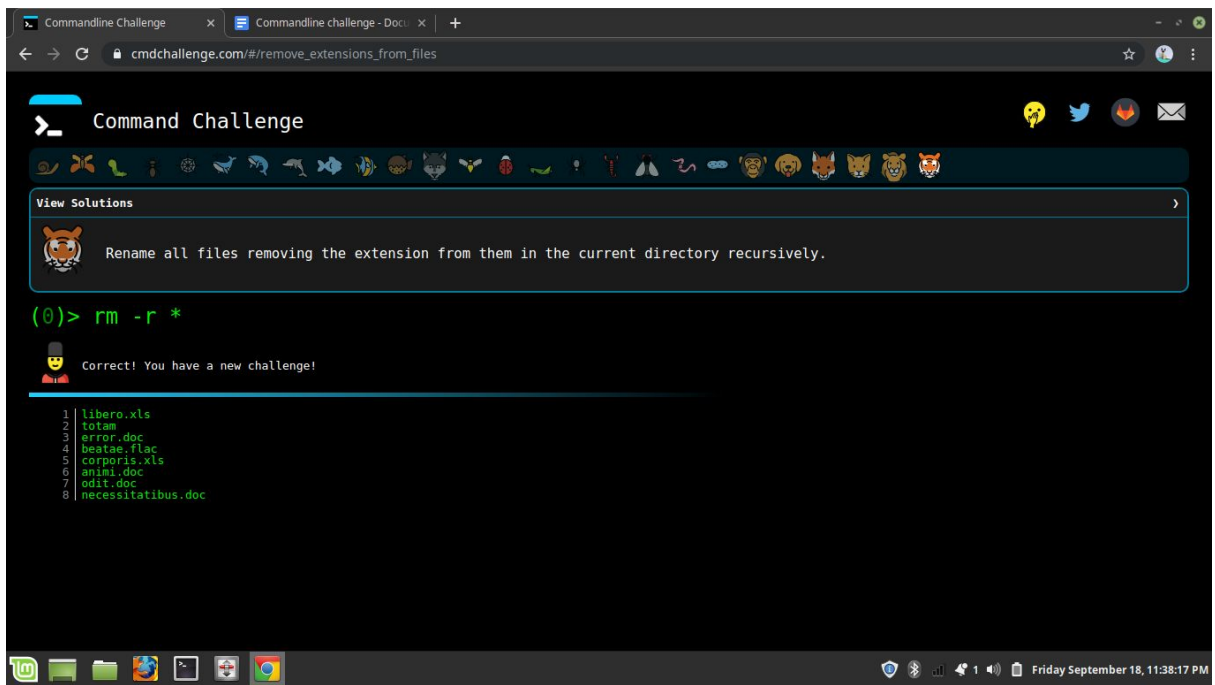
Correct! You have a new challenge!

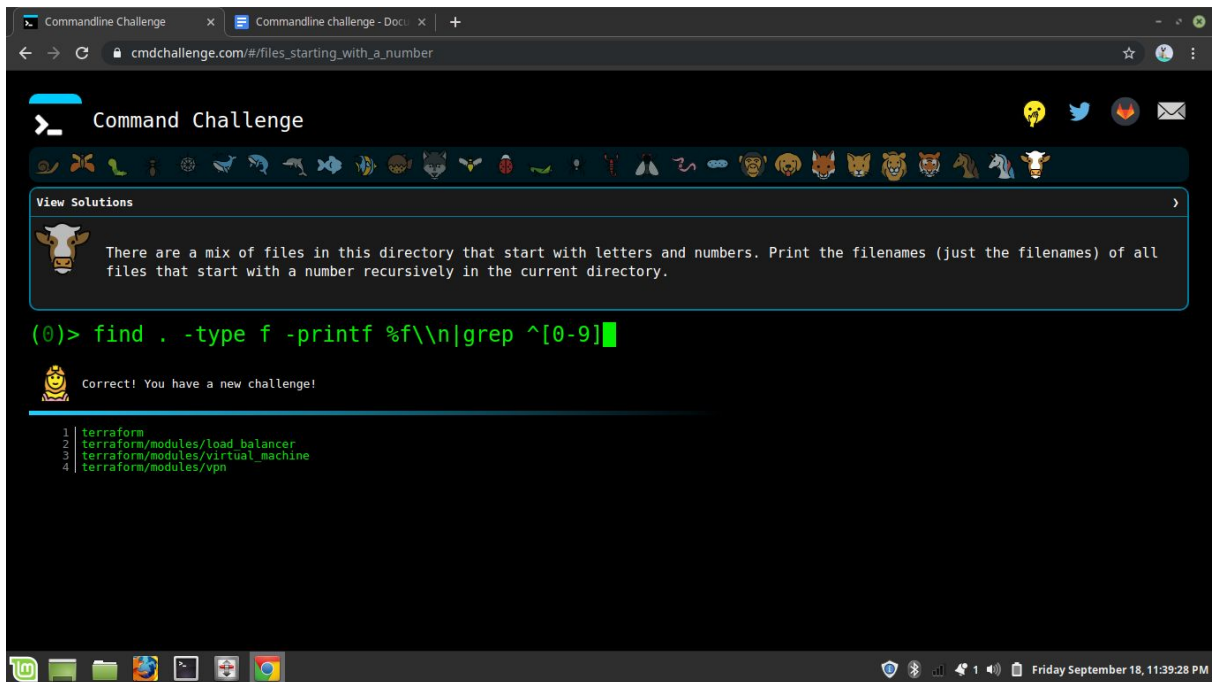
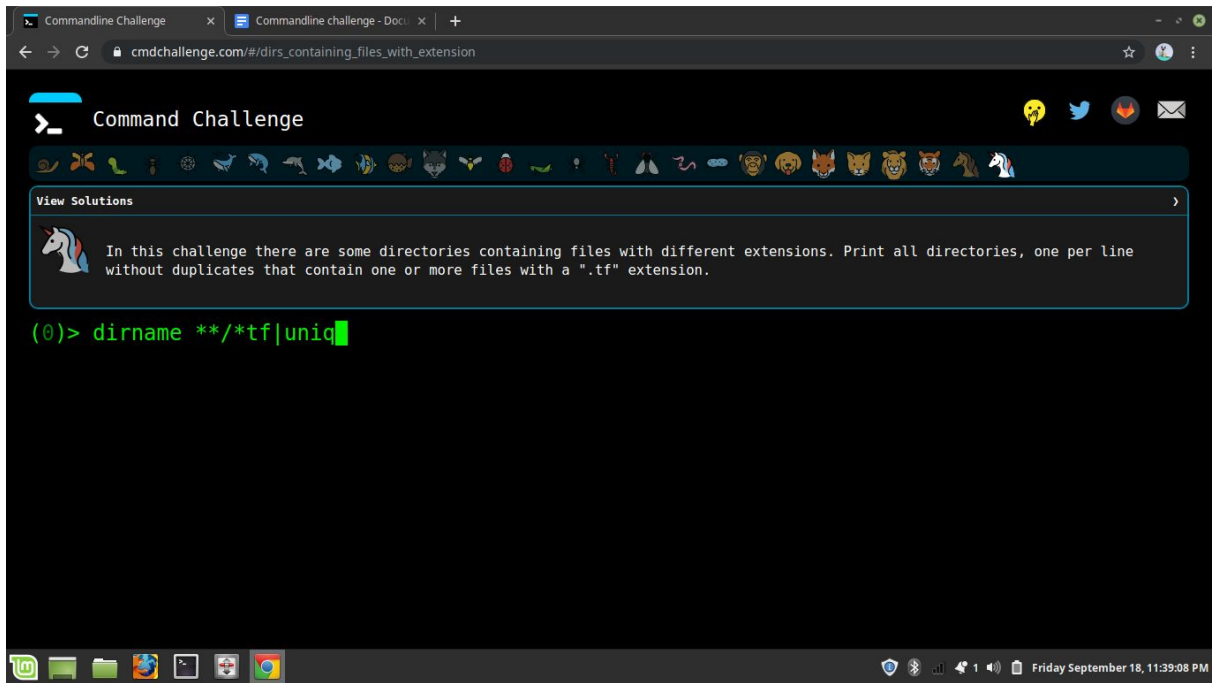
```
1 | 8
```

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Commandline Challenge

cmdchallenge.com/#/print_nth_line

Command Challenge

View Solutions

Print the 25th line of the file faces.txt

```
(0)> sed -n 25p faces.txt
```

Correct! You have a new challenge!

```
1 25Brandon Mcdonald
2 639Charles Ferguson
3 84Carrie Alexander
4 778Holly Archer
5 3maxime.mp3
6 477Thomas Pierce MD
7 511Tammy Welch
8 974Michael Bowman
9 757Robert Marquez
10 548Katherine Jones
11 132Rebecca Rubio
12 335John Joseph
13 737Jeffrey Davis
14 42Robert Hill
15 78Michelle Spencer
16 436Teresa Owens
17 99blanditiis.avi
18 48Thomas Allen
19 670James Jacobs
20 388Andrew Carter
21 293Linda Bennett
```

Friday September 18, 11:39:51 PM

Commandline Challenge

cmdchallenge.com/#/reverse_readme

Command Challenge

View Solutions

Print the lines of the file reverse-me.txt in this directory in reverse line order so that the last line is printed first and the first line is printed last.

```
In the future
Environmental destruction will be the norm
No longer can it be said that
My peers and I care about this earth
It will be evident that
My generation is apathetic and lethargic
It is foolish to presume that
There is hope
-Jonathan Reed "The Lost Generation"
```

```
(0)> tac *
```

Correct! You have a new challenge!

Friday September 18, 11:40:37 PM

Commandline Challenge

cmdchallenge.com/#/remove_duplicate_lines

Command Challenge

View Solutions

Print the file faces.txt, but only print the first instance of each duplicate line, even if the duplicates don't appear next to each other.

Note that order matters so don't sort the lines before removing duplicates.

```
(0)> sort -u *
```

Correct! You have a new challenge!

```
1 -Jonathan Reed "The Lost Generation"
2 There is hope
3 It is foolish to presume that
4 My generation is apathetic and lethargic
5 It will be evident that
6 My peers and I care about this earth
7 No longer can it be said that
8 Environmental destruction will be the norm
9 In the future
10
11
```

Friday September 18, 11:40:54 PM

Commandline Challenge

cmdchallenge.com/#/find_primes

Command Challenge

View Solutions

The file random-numbers.txt contains a list of 100 random integers. Print the number of unique prime numbers contained in the file.

```
(0)> sort -u *|factor|grep -cP "\d+$"
```

Correct! You have a new challenge!

```
1 (2)
2 (2)
3 (2)
4 (2)
5 (2)
6 (2)
7 (2)
8 (2)
9 (2)
10 (2)
11 (2)
12 (2)
13 (2)
14 (2)
15 (2)
16 (2)
17 (2)
18 (2)
19 (2)
20 (2)
21 (2)
22 (2)
23 (2)
24 (2)
25 (2)
26 (2)
27 (2)
28 (2)
29 (2)
30 (2)
31 (2)
32 (2)
33 (2)
34 (2)
35 (2)
36 (2)
37 (2)
38 (2)
39 (2)
40 (2)
41 (2)
42 (2)
43 (2)
44 (2)
45 (2)
46 (2)
47 (2)
48 (2)
49 (2)
50 (2)
51 (2)
52 (2)
53 (2)
54 (2)
55 (2)
56 (2)
57 (2)
58 (2)
59 (2)
60 (2)
61 (2)
62 (2)
63 (2)
64 (2)
65 (2)
66 (2)
67 (2)
68 (2)
69 (2)
70 (2)
71 (2)
72 (2)
73 (2)
74 (2)
75 (2)
76 (2)
77 (2)
78 (2)
79 (2)
80 (2)
81 (2)
82 (2)
83 (2)
84 (2)
85 (2)
86 (2)
87 (2)
88 (2)
89 (2)
90 (2)
91 (2)
92 (2)
93 (2)
94 (2)
95 (2)
96 (2)
97 (2)
98 (2)
99 (2)
100 (2)
```

Friday September 18, 11:41:30 PM

Commandline Challenge

cmdchallenge.com/#/print_common_lines

View Solutions

access.log.1 and access.log.2 are http server logs.
Print the IP addresses common to both files, one per line.

```
(0)> cut -f1 -d' ' * |sort|uniq -d
```

Correct! You have a new challenge!

1 | 12

Commandline Challenge

cmdchallenge.com/#/print_line_before

View Solutions

Print all matching lines (without the filename or the file path) in all files under the current directory that start with "access.log", where the next line contains the string "404".
Note that you will need to search recursively.

```
(0)> awk '/404/{print l}{l=$0}' **/a*
```

```
1 | 108.68.174.15
2 | 17.137.186.194
3 | 2.71.250.27
4 | 28.151.137.59
```

Commandline Challenge

cmdchallenge.com/#/print_files_if_different

View Solutions

Print all files with a .bin extension in the current directory that are different than the file named base.bin.

```
(0)> diff *.bin --to-file base.bin | cut -d ' ' -f3
```

Correct! You have a new challenge!

```
1 | 251.111.109.143 - - [09/Jun/2017:22:49:02 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 2477
2 | 17.137.186.194 - - [09/Jun/2017:22:43:17 +0100] "GET /pages/create HTTP/1.0" 200 1116
3 | 89.148.148.238 - - [09/Jun/2017:22:33:09 +0100] "GET /posts/1/display HTTP/1.0" 502 2477
4 | 138.212.253.84 - - [09/Jun/2017:22:53:54 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 3471
```

Commandline Challenge

cmdchallenge.com/#/nested_dirs

View Solutions

There is a file: ../../ /. .the flag.txt
Show its contents on the screen.

```
(0)> cat "$(find |grep flag)"
```

Correct! You have a new challenge!

```
1 | test2.bin
2 | test4.bin
3 | test5.bin
4 | test7.bin
```

