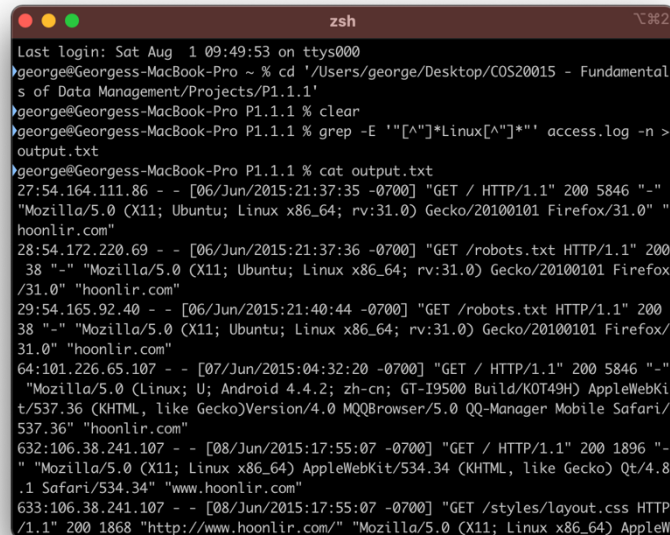


### Credit Task 1.2.2

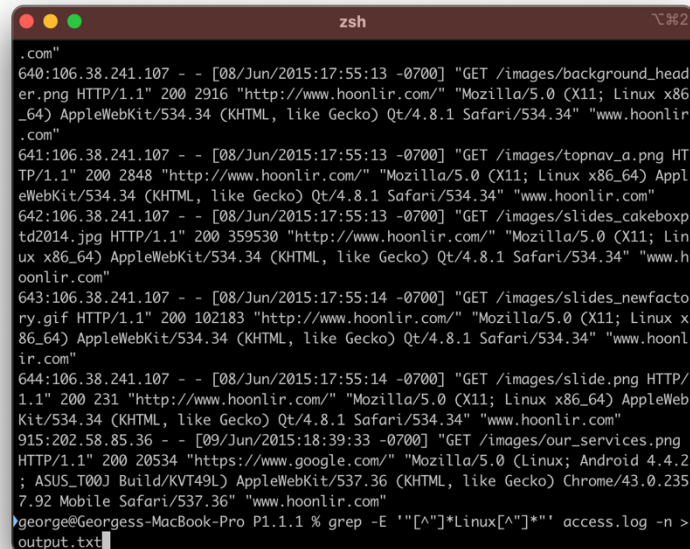
The command used is `grep -E '("[^"]*Linux[^"]*)*' access.log -n > output.txt`

This would search for every instance where a Linux user had browsed the internet and then by using the `-n` command it numbers each of those instances.

Below is a screenshot of the above command being used find all linux connection instances which appears to be 18 times



```
zsh
Last login: Sat Aug 1 09:49:53 on ttys000
george@Georgess-MacBook-Pro ~ % cd '/Users/george/Desktop/COS20015 - Fundamentals of Data Management/Projects/P1.1.1'
george@Georgess-MacBook-Pro P1.1.1 % clear
george@Georgess-MacBook-Pro P1.1.1 % grep -E '("[^"]*Linux[^"]*)*' access.log -n > output.txt
george@Georgess-MacBook-Pro P1.1.1 % cat output.txt
27:54.164.111.86 - - [06/Jun/2015:21:37:35 -0700] "GET / HTTP/1.1" 200 5846 "-"
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:31.0) Gecko/20100101 Firefox/31.0" "
hoonlir.com"
28:54.172.220.69 - - [06/Jun/2015:21:37:36 -0700] "GET /robots.txt HTTP/1.1" 200
38 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:31.0) Gecko/20100101 Firefox
/31.0" "hoonlir.com"
29:54.165.92.40 - - [06/Jun/2015:21:40:44 -0700] "GET /robots.txt HTTP/1.1" 200
38 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:31.0) Gecko/20100101 Firefox/
31.0" "hoonlir.com"
64:101.226.65.107 - - [07/Jun/2015:04:32:20 -0700] "GET / HTTP/1.1" 200 5846 "-"
"Mozilla/5.0 (Linux; U; Android 4.4.2; zh-cn; GT-I9500 Build/KOT49H) AppleWebKit/
537.36 (KHTML, like Gecko)Version/4.0 MQQBrowser/5.0 QQ-Manager Mobile Safari/
537.36" "hoonlir.com"
632:106.38.241.107 - - [08/Jun/2015:17:55:07 -0700] "GET / HTTP/1.1" 200 1896 "-"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8
.1 Safari/534.34" "www.hoonlir.com"
633:106.38.241.107 - - [08/Jun/2015:17:55:07 -0700] "GET /styles/layout.css HTTP
/1.1" 200 1868 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleW
```



```
zsh
.com"
640:106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/background_head
er.png HTTP/1.1" 200 2916 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86
_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir
.com"
641:106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/topnav_a.png HT
TP/1.1" 200 2848 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) Appl
eWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
642:106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/slides_cakeboxp
td2014.jpg HTTP/1.1" 200 359530 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Lin
ux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.h
oonlir.com"
643:106.38.241.107 - - [08/Jun/2015:17:55:14 -0700] "GET /images/slides_newfacto
ry.gif HTTP/1.1" 200 102183 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x
86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonl
ir.com"
644:106.38.241.107 - - [08/Jun/2015:17:55:14 -0700] "GET /images/slide.png HTTP/
1.1" 200 231 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWeb
Kit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
915:202.58.85.36 - - [09/Jun/2015:18:39:33 -0700] "GET /images/our_services.png
HTTP/1.1" 200 20534 "https://www.google.com/" "Mozilla/5.0 (Linux; Android 4.4.2
; ASUS_T00J Build/KVT49L) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/43.0.235
7.92 Mobile Safari/537.36" "www.hoonlir.com"
george@Georgess-MacBook-Pro P1.1.1 % grep -E '("[^"]*Linux[^"]*)*' access.log -n >
output.txt
```