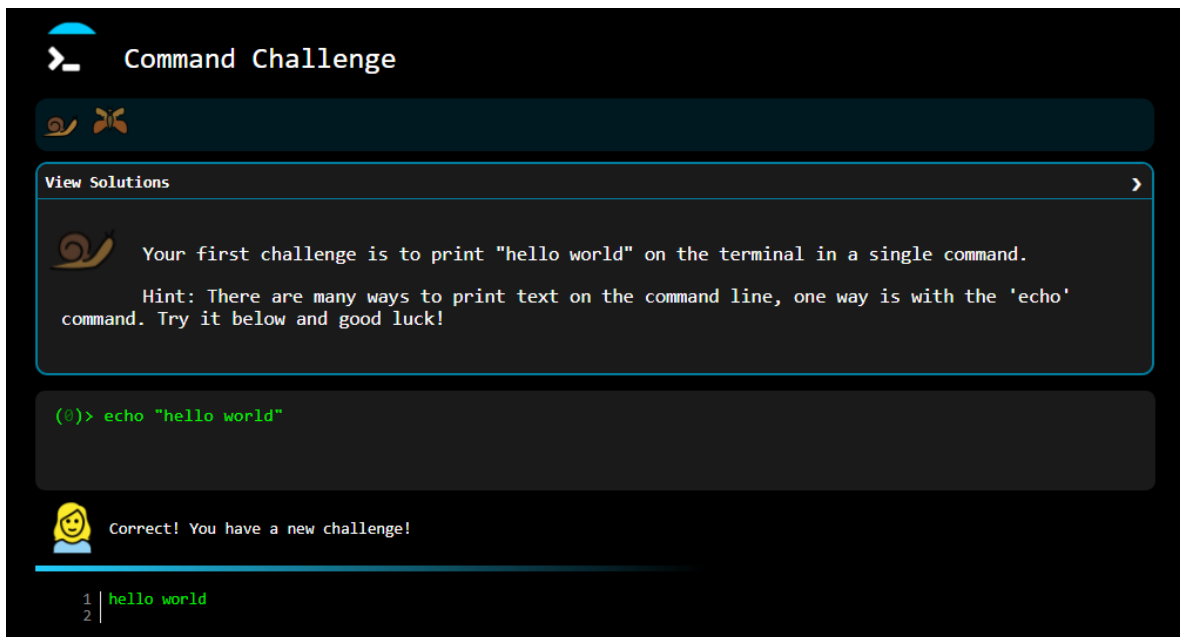
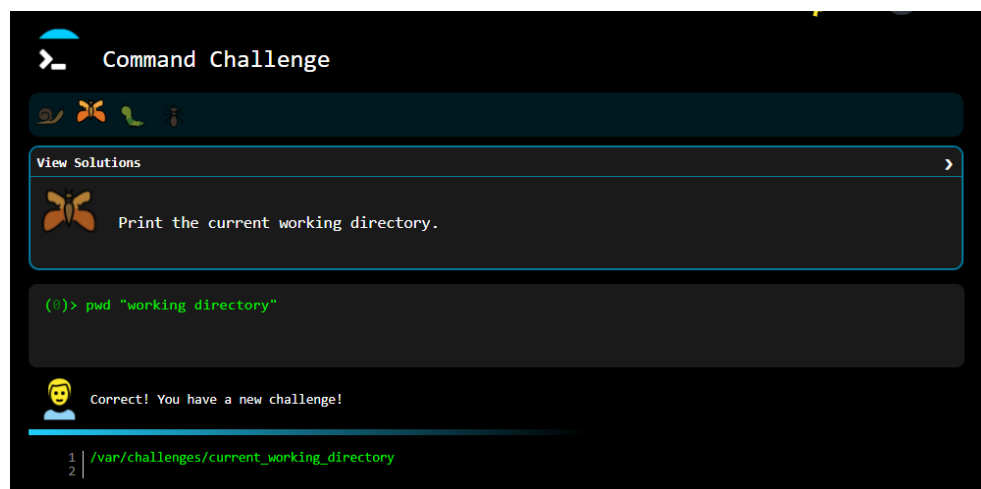


Taller Command Challenge – David Barros:

- Command Challenge #1:








- Command Challenge #2:







- Command Challenge #3:


 Command Challenge



View Solutions 

 List names of all the files in the current directory, one file per line.


```
(0)> ls $pwd
```






 Correct! You have a new challenge!


```
1 | /var/challenges/current_working_directory
2 |
```




- Command Challenge #4:


 Command Challenge



View Solutions 

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

```
(0)> cat "access.log"
```

 Correct! You have a new challenge!

```
1 | 163.56.115.58 - - [09/Jan/2017:22:29:57 +0100] "GET /posts/2/display HTTP/1.0" 200 3240
2 | 75.113.188.234 - - [09/Jan/2017:22:30:43 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 1116
3 | 69.16.40.148 - - [09/Jan/2017:22:34:33 +0100] "GET /pages/create HTTP/1.0" 500 3471
4 | 225.219.54.140 - - [09/Jan/2017:22:35:30 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 500 2477
5 | 207.243.19.2 - - [09/Jan/2017:22:38:03 +0100] "GET /bar/create HTTP/1.0" 200 1116
6 | 199.37.62.156 - - [09/Jan/2017:22:42:18 +0100] "GET /posts/1/display HTTP/1.0" 200 2477
7 | 55.74.240.123 - - [09/Jan/2017:22:44:25 +0100] "POST /posts/1/display HTTP/1.0" 200 3471
8 | 251.111.109.143 - - [09/Jan/2017:22:49:02 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 2477
9 | 101.163.230.250 - - [09/Jan/2017:22:52:31 +0100] "DELETE /posts/2/display HTTP/1.0" 404 2477
10 | 200.19.168.148 - - [09/Jan/2017:22:57:11 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 3471
11 |
```

1.

2. Command Challenge #5:

Command Challenge

View Solutions

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

```
(0)> tail -n 5 "access.log"
```

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
3 251.111.109.143 - - [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
6
```

• Command Challenge #6:

Command Challenge

View Solutions

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


```
(0)> touch "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
3 251.111.109.143 - - [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
6
```




- **Command Challenge #7:**


 **Command Challenge**



View Solutions >


**Create a directory named `tmp/files` in the current working directory**
Hint: The directory "`tmp/`" doesn't exist, with one command you need to create both "`tmp/`" and "`tmp/files`"










```
(0)> mkdir tmp tmp/files
```

 **Correct! You have a new challenge!**




- **Command Challenge #8:**


 **Command Challenge**



View Solutions >

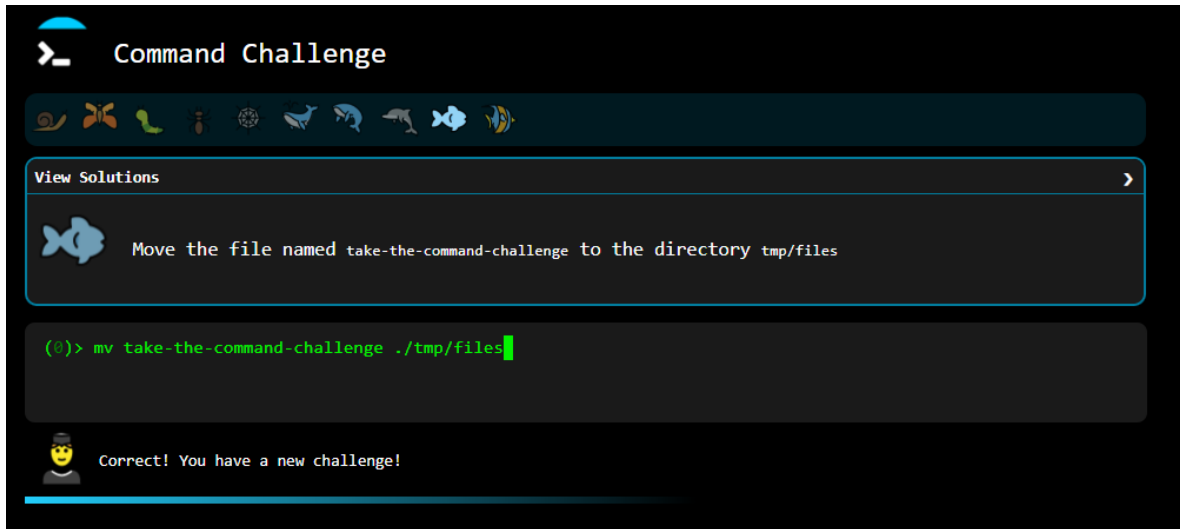
 **Copy the file named `take-the-command-challenge` to the directory `tmp/files`**

```
(0)> cp ./take-the-command-challenge ./tmp/files
```

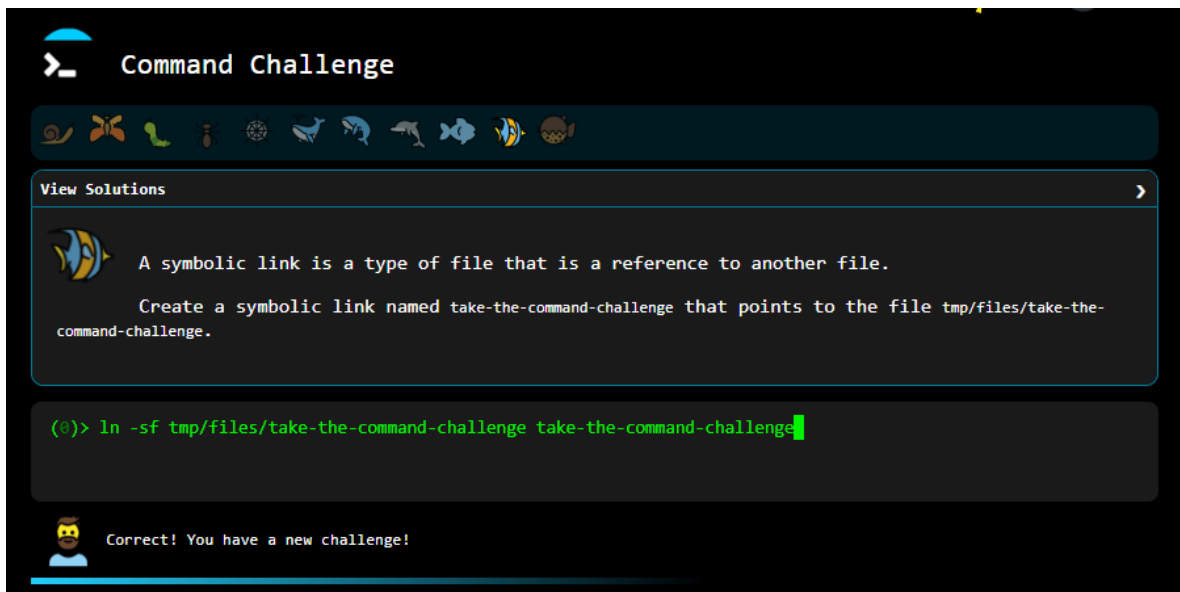
 **Correct! You have a new challenge!**



- **Command Challenge #9:**

















- **Command Challenge #10:**






- **Command Challenge #11:**

 **Command Challenge**




View Solutions >



Delete all of the files in this challenge directory including all subdirectories and their contents.

*Hint: There are files and directories that start with a dot ".", "rm -rf *" won't work here!*


```
(1)> rm -r * .*
```















 **Correct! You have a new challenge!**

```
1 | rm: refusing to remove '.' or '..' directory: skipping '.'
2 | rm: refusing to remove '.' or '..' directory: skipping '..'
3 |
```




- **Command Challenge #12:**

 **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.















```
(2)> rm -rf **/*.doc
```


 **Correct! You have a new challenge!**




- **Command Challenge #13:**



 **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"`.



















Correct! You have a new challenge!

```
1 | 163.56.115.58 - - [09/Jan/2017:22:29:57 +0100] "GET /posts/2/display HTTP/1.0" 200 3240
2 | 75.113.188.234 - - [09/Jan/2017:22:30:43 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 1116
3 | 69.16.40.148 - - [09/Jan/2017:22:34:33 +0100] "GET /pages/create HTTP/1.0" 500 3471
4 | 225.219.54.140 - - [09/Jan/2017:22:35:30 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 500 2477
5 | 207.243.19.2 - - [09/Jan/2017:22:38:03 +0100] "GET /bar/create HTTP/1.0" 200 1116
6 | 199.37.62.156 - - [09/Jan/2017:22:42:18 +0100] "GET /posts/1/display HTTP/1.0" 200 2477
7 | 251.111.109.143 - - [09/Jan/2017:22:49:02 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 2477
8 | 200.19.168.148 - - [09/Jan/2017:22:57:11 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 3471
9 |
```




- **Command Challenge #14:**


 **Command Challenge**



View Solutions >

 Print all files in the current directory, one per line (not the path, just the filename) that contain the string "500".


```
(0)> ls | grep -lr 500
```

















 Correct! You have a new challenge!

```
1 | access.log
2 | access.log.1
3 |
```




- **Command Challenge #15:**


 **Command Challenge**



View Solutions >


 Print the relative file paths, one path per line for all filenames that start with "access.log" in the current directory.

```
(0)> find . -name "access.log*"
```


 Correct! You have a new challenge!

```
1 | ./access.log
2 | ./access.log.1
3 | ./access.log.2
4 |
```



- Command Challenge #16:



Command Challenge




[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" that contain the string "500".

Note that there are no files named access.log in the current directory, you will need to search recursively.

```
(@)> grep -r -h "500"
```




Correct! You have a new challenge!


```
1 69.16.40.148 - - [09/Jan/2017:22:34:33 +0100] "GET /pages/create HTTP/1.0" 500 3471
2 225.219.54.140 - - [09/Jan/2017:22:35:30 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 500 2477
3 2.71.250.27 - - [09/Jan/2017:22:41:26 +0100] "GET /pages/create HTTP/1.0" 500 2477
4
```




- Command Challenge #17:



Command Challenge




[View Solutions](#)



Extract all IP addresses from files that start with "access.log" printing one IP address per line.


```
(@)> find . -name "access.log*" -exec awk '{print $1}' {} \;
```























Correct! You have a new challenge!

```
1 163.56.115.58
2 75.113.188.234
3 69.16.40.148
4 225.219.54.140
5 207.243.19.2
6 199.37.62.156
7 55.74.240.123
8 251.111.109.143
9 101.163.230.250
10 200.19.168.148
11 108.68.174.15
12 174.20.139
13 28.151.137.59
14 199.150.241.179
15 2.71.250.27
16 17.137.186.194
17 151.84.119.34
18 4.180.204.195
19 9.230.96.54
20 157.143.233.21
21
```


- Command Challenge #17:



Command Challenge























View Solutions



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

```
(0)> ls -la | grep -E '^total [0-9]*[0-9] \. $' -v | wc -l
```




Correct! You have a new challenge!





















```
1 | 2
2 |
```




- Command Challenge #18:



Command Challenge























View Solutions



Print the contents of access.log sorted.

```
(0)> cat access.log | sort
```



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/2017:22:42:18 +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 | 225.219.54.140 - - [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/2017:22:30:43 +0100] "GET /posts/foo?appID=xxxx HTTP/1.0" 200 1116
11 |
```

- Command Challenge #19:

Command Challenge

View Solutions

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

```
(0)> grep "GET" access.log | wc -l
```

Correct! You have a new challenge!

1 | 8
2 |



- Command Challenge #19:

Command Challenge

View Solutions

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)> cat split-me.txt | sed s/;/\\n/g
```























Correct! You have a new challenge!

1 | 1
2 | 2
3 | 3
4 | 4
5 | 5
6 | 6
7 | 7
8 | 8
9 | 9
10 | 10
11 |




- Command Challenge #20:


 Command Challenge



View Solutions >

 Print the numbers 1 to 100 separated by spaces.

```
(0)> for i in {1..100}; do echo -n "$i "; done
```

 Correct! You have a new challenge!

1 | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44