



Command Challenge

🎉 Congrats, you completed the 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.

```
(@)> cat split-me.txt | tr ";" "\n"
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



Your first challenge is to print "hello world" on the terminal in a single command.

Hint: There are many ways to print text on the command line, one way is with the 'echo' command. Try it below and good luck!

```
(@)> printf "hello world"
```



Correct! You have completed all of the challenges, but feel free to keep on going!

```
1 | hello world  
2 |
```



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



A symbolic link is a type of file that is a reference to another file.

Create a symbolic link named `take-the-command-challenge` that points to the file `tmp/files/take-the-command-challenge`.



(o)> `In -s tmp/files/take-the-command-challenge take-the-command-challenge`



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

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[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!*

(o)> `find . -delete`



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

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[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.

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



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the 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".

```
(@)> grep GET access.log
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

```
(@)> grep -l 500 *
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

```
(@)> ls
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the 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 completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

```
(@)> find . -name "access.log*" | xargs grep -Eo '^[^ ]+'
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

```
(@)> ls -l | wc -l
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



Print the contents of access.log sorted.

```
(@)> sort access.log
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



Print the current working directory.

```
(@)> pwd
```



Correct! You have completed all of the challenges, but feel free to keep on going!

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



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

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



Correct! You have completed all of the challenges, but feel free to keep on going!

 Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)

 Print the numbers 1 to 100 separated by spaces.

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

 Correct! You have completed all of the challenges, but feel free to keep on going!

 Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)

 This challenge has text files (with a .txt extension) that contain the phrase "challenges are difficult". Delete this phrase from all text files recursively.

Note that some files are in subdirectories so you will need to search for them.

```
(o)> find . -name '*.txt' -type f -exec sed -i '/challenges are difficult/d' {} \;
```

 Correct! You have completed all of the challenges, but feel free to keep on going!

 Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)

 The file sum-me.txt has a list of numbers, one per line. Print the sum of these numbers.

```
(o)> jq -s add *
```

 Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



Print all files in the current directory recursively without the leading directory path.

```
(@)> find -type f -exec basename {} \;
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



Rename all files removing the extension from them in the current directory recursively.

```
(@)> find * -type f | rename 's/\..*//'
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



The files in this challenge contain spaces. List all of the files (filenames only) in the current directory but replace all spaces with a '.' character.

```
(@)> ls | tr " " ". "
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



In this challenge there are some directories containing files with different extensions. Print all directories, one per line without duplicates that contain one or more files with a ".tf" extension.



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



There are a mix of files in this directory that start with letters and numbers. Print the filenames (just the filenames) of all files that start with a number recursively in the current directory.



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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



Correct! You have completed all of the challenges, but feel free to keep on going!

1 | /var/challenges/current_working_directory
2 |



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



Print the 25th line of the file faces.txt

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



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the 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"
```

```
(@)> tac reverse-me.txt
```



Command Challenge

🎉 Congrats, you completed the 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.

```
(@)> cat faces.txt | awk '!seen[$0]++'
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the 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.

```
(@)> cat random-numbers.txt | sort|uniq | factor | awk 'NF==2'| wc -l
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



access.log.1 and access.log.2 are http server logs.

Print the IP addresses common to both files, one per line.

```
(@)> awk 's[$1]+={print $1}' a*
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the 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", where the next line contains the string "404".

Note that you will need to search recursively.

```
(@)> grep -h -B1 404 **/access.log* | grep -vE '404' --
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

```
(@)> for f in t*; do cmp -s bas* $f || echo $f; done
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

🎉 Congrats, you completed the challenge! 🎉



[View Solutions](#)



There is a file: ./.../ /. .the flag.txt

Show its contents on the screen.

```
(@)> find -type f -name '*flag*' -exec cat '{}' \;
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



How many lines contain tab characters in the file named `file-with-tabs.txt` in the current directory.

```
(:) > grep -P "\t" * | wc -l
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



There are files in this challenge with different file extensions.

Remove all files without the `.txt` and `.exe` extensions recursively in the current working directory.

```
(:) > find -type f ! -name *.txt ! -name *.exe -exec rm -v '{}' \;
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



There is a file named `access.log` in the current directory. Print the contents.

```
(o)> cat access.log
```



Correct! You have completed all of the challenges, but feel free to keep on going!

1

/var/challenges/current_working_directory

2



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



There are some files in this directory that start with a dash in the filename. Remove those files.

```
(o)> rm ./*
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



There are two files in this directory, `ps-ef1` and `ps-ef2`. Print the contents of both files sorted by PID and delete repeated lines.

```
(o)> cat ps-* | sort -k2 -n |uniq
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



In the current directory there is a file called netstat.out.

Print all the IPv4 listening ports sorted from the higher to lower.

```
(@)> awk '/tcp .*LISTEN${print $4}' netstat*|awk -F: '{print $2}'|sort -nr
```



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

```
(@)> tail -5 access.log
```



Correct! You have completed all of the challenges, but feel free to keep on going!

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



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

(@)>

```
touch take-the-command-challenge
```



Correct! You have completed all of the challenges, but feel free to keep on going!

1 |

```
/var/challenges/current_working_directory
```

2 |



Command Challenge

Congrats, you completed the 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"

(@)>

```
mkdir -p tmp/files
```



Correct! You have completed all of the challenges, but feel free to keep on going!

1 |

```
/var/challenges/current_working_directory
```

2 |



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



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

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



Correct! You have completed all of the challenges, but feel free to keep on going!



Command Challenge

Congrats, you completed the challenge! 🎉



[View Solutions](#)



Move the file named take-the-command-challenge to the directory tmp/files

```
(o)> mv take-the-command-challenge tmp/files
```



Correct! You have completed all of the challenges, but feel free to keep on going!