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INNOVATIVE FINANCE: HACKING FINANCE TO CHANGE THE WORLD ISSUING ORGANIZATION: COURSERA ISSUE DATE: OCTOBER 2020 & MACHINE LEARNING FOR ALL ISSUING ORGANIZATION: COURSERA ISSUE DATE: MAY 2020 &

the ability to create user accounts for your whole team, consider purchasing a subscription to Security Labs Enterprise.


Pushpak Mankar

Security Labs

Choose a topic on the right to dive into a new set of labs, or pick up where you last left off.

All Time

30 Days

Leader	Points	Last active
 pushpakmankar	0	12/12/2021

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Contact your team administrator to get started.

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Support

walkthrough - Security Labs


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

walkthrough

0 of 1

Demo lesson

Type **ls** to see files and folders in the current directory.

Next

Loading...

~\$ pwd
/home/whitehat
~\$ cd
~\$ ls
bash: ls: command not found
~\$ ls
~\$

Basic terminal usage

Introduction to Bash 1

[Customize](#)

[Preview](#)



Shell commands to navigate around directories and modify files.


Customize content - Security Labs

Introduction to Bash 1 - Security Labs

LogTrax - Stats

https://securitylabs.veracode.com/team/customize

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Basic terminal usage

Introduction to Bash 1

Customize


Preview

 Shell commands to navigate around directories and modify files.

Introduction to Bash 2

Customize


Preview

 Navigate files and folders more efficiently, and search for file contents.

Introduction to Bash 3

Customize

Preview


 Preview the contents of files; create new folders and move files around.

Intermediate terminal usage

Encrypting, encoding and hashing

Customize

Preview


 Common encoding patterns, cryptographic techniques, and command line tools.

Nano for text editing

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Introduction to Bash 15 of 5

Display text and write to files

Use `echo hi` to display the text "hi" in the terminal.

The "redirection operator" `>` can redirect output to a new location. Run `echo hi > file3` to write the text "hi" into `file3`. Use `cat file3` to read back the contents of the file, which should display `hi`.

↺Previous

Next➡

🔄📄

TerminalCode Editor

Loading...
Cleaning up previous session...

```
~$ pwd
/home/whitehat
~$ ls
~$ ls -a
bash: ls -a: command not found
~$ ls -a
.  .. .bash_logout .bashrc .profile .secret .vimrc
~$ ls .secret/
file1 file2
~$ cd .secret/
~/secret$ pwd
/home/whitehat/.secret
~/secret$ ls
file1 file2
~/secret$ cat file1
hello!
~/secret$ touch file3
~/secret$ rm file2
```

```
Customize content - Security Lab x Introduction to Bash 1 - Security x JotTrax - Stats x +
https://securitylabs.veracode.com/lesson/introduction-to-bash-1
Cleaning up previous session...

~$ pwd
/home/whitehat
~$ ls
~$ ls -a
bash: ls-a: command not found
~$ ls -a
.  .. .bash_logout .bashrc .profile .secret .vimrc
~$ ls .secret/
file1 file2
~$ cd .secret/
~/secret$ pwd
/home/whitehat/.secret
~/secret$ ls
file1 file2
~/secret$ cat file1
hello!
~/secret$ touch file3
~/secret$ rm file2
~/secret$ ls
file1 file3
~/secret$ echo hi
hi
~/secret$ >
bash: syntax error near unexpected token `newline'
~/secret$ echo hi > file3
~/secret$ cat file3
hi
~/secret$
```

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https://securitylabs.veracode.com/lesson/introduction-to-bash-1

Cleaning up previous session...

```
~$ pwd
/home/whitehat
~$ ls
~$ ls -a
bash: ls-a: command not found
~$ ls -a
.  .. .bash_logout .bashrc .profile .secret .vimrc
~$ ls .secret/
file1 file2
~$ cd .secret/
~/secret$ pwd
/home/whitehat/.secret
~/secret$ ls
file1 file2
~/secret$ cat file1
hello!
~/secret$ touch file3
~/secret$ rm file2
~/secret$ ls
file1 file3
~/secret$ echo hi
hi
~/secret$ >
bash: syntax error near unexpected token `newline'
~/secret$ echo hi > file3
~/secret$ cat file3
hi
~/secret$
```

Introduction to Bash 2

[Customize](#)[Preview](#)

Navigate files and folders more efficiently, and search for file contents.


```
Loading...
~$ ls -a
.  ..  .bash_logout  .bashrc  .profile  .vimrc  folder1  folder2
~$ cd .
~$ cd folder1
~/folder1$ cd ..
~$ pwd
/home/whitehat
~$ cd .
~$ pwd
/home/whitehat
~$ ..
bash: ..: command not found
~$ cd .
~$ cd ../folder2
bash: cd: ../folder2: No such file or directory
~$ cd
~$ cd ../folder2
bash: cd: ../folder2: No such file or directory
~$ ..
bash: ..: command not found
~$ cd
~$ cd .
~$ cd ../folder2
bash: cd: ../folder2: No such file or directory
~$ cd ../folder2 .
bash: cd: too many arguments
~$ cd
~$ cd ../folder2
bash: cd: ../folder2: No such file or directory
```


```
~$ cd ../folder2 .
bash: cd: too many arguments
~$ cd
~$ cd ../folder2
bash: cd: ../folder2: No such file or directory
~$ ../../..
bash: ../../..: Is a directory
~$ ls
folder1  folder2
~$ ls-a
bash: ls-a: command not found
~$ ls -a
.  ..  .bash_logout  .bashrc  .profile  .vimrc  folder1  folder2
~$ ls -a -1
.
..
.bash_logout
.bashrc
.profile
.vimrc
folder1
folder2
~$ ls -1 -a
.
..
.bash_logout
.bashrc
.profile
.vimrc
folder1
```

```
folder1
folder2
~$ ls -l -a
.
..
.bash_logout
.bashrc
.profile
.vimrc
folder1
folder2
~$ ls -la
total 40
drwxr-xr-x 1 whitehat whitehat 4096 Dec 12 05:48 .
drwxr-xr-x 1 root     root     4096 Nov 16 2020 ..
-rw-r--r-- 1 whitehat whitehat 220 Apr 18 2019 .bash_logout
-rw-r--r-- 1 whitehat whitehat 3604 Nov 16 2020 .bashrc
-rw-r--r-- 1 whitehat whitehat 807 Apr 18 2019 .profile
-rw-r--r-- 1 whitehat whitehat 106 Nov 16 2020 .vimrc
drwxr-xr-x 2 whitehat whitehat 4096 Dec 12 05:48 folder1
drwxr-xr-x 2 whitehat whitehat 4096 Dec 12 05:48 folder2
~$ ls -al
total 40
drwxr-xr-x 1 whitehat whitehat 4096 Dec 12 05:48 .
drwxr-xr-x 1 root     root     4096 Nov 16 2020 ..
-rw-r--r-- 1 whitehat whitehat 220 Apr 18 2019 .bash_logout
-rw-r--r-- 1 whitehat whitehat 3604 Nov 16 2020 .bashrc
-rw-r--r-- 1 whitehat whitehat 807 Apr 18 2019 .profile
-rw-r--r-- 1 whitehat whitehat 106 Nov 16 2020 .vimrc
drwxr-xr-x 2 whitehat whitehat 4096 Dec 12 05:48 folder1
```

```
folder1 folder2
~$ ls -l
folder1
folder2
~$ ls -l
folder1
folder2
~$ a
bash: a: command not found
~$ 1
bash: 1: command not found
~$ ls
folder1 folder2
~$ ls -l
folder1
folder2
~$ ls -al
total 40
drwxr-xr-x 1 whitehat whitehat 4096 Dec 12 05:48 .
drwxr-xr-x 1 root      root    4096 Nov 16  2020 ..
-rw-r--r-- 1 whitehat whitehat  220 Apr 18  2019 .bash_logout
-rw-r--r-- 1 whitehat whitehat 3604 Nov 16  2020 .bashrc
-rw-r--r-- 1 whitehat whitehat  807 Apr 18  2019 .profile
-rw-r--r-- 1 whitehat whitehat  106 Nov 16  2020 .vimrc
drwxr-xr-x 2 whitehat whitehat 4096 Dec 12 05:48 folder1
drwxr-xr-x 2 whitehat whitehat 4096 Dec 12 05:48 folder2
~$ ls -l
folder1
folder2
~$ Finish
```

[Customize](#) [Preview](#)  Navigate files and folders more efficiently, and discover the most common

Introduction to Bash 3

[Customize](#) [Preview](#)  Preview the contents of files; create new folders and move files around.

Intermediate terminal usage

```
Loading...
~$ cat archives/file1
Here is one line of text.
This is another one.
THIS ONE IS LOUD!
This line doesn't use the same 'O' word.
Another one.
And another.
And another...
And another.....
And another.....
And another.....
This is the last one.
~$ head archives/file1
Here is one line of text.
This is another one.
THIS ONE IS LOUD!
This line doesn't use the same 'O' word.
Another one.
And another.
And another...
And another.....
And another.....
And another.....
~$ head -n3 archives/file1
Here is one line of text.
This is another one.
THIS ONE IS LOUD!
~$ grep one archives/file1
Here is one line of text.
```