

# Assignment 1- Part 1 - Report

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## Part 1: Bandit

### Level 0:

For this level I had to execute an ssh command with the given credentials in the instructions. Maintaining the ssh connection open I checked the current directory for the specified file and used cat to show its contents.

```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
Congratulations on your first steps into the bandit game!!
Please make sure you have read the rules at https://overthewire.org/rules/
If you are following a course, workshop, walkthrough or other educational activity,
please inform the instructor about the rules as well and encourage them to
contribute to the OverTheWire community so we can keep these games free!

The password you are looking for is: ZjLjTmM6FvvyRnrb2rfNW0Z0Ta6ip5If
```

### Level 1:

Here I listed all the files in the directory and specified the route to be able to print the desired file.

```
bandit1@bandit:~$ ls -la
total 24
-rw-r----- 1 bandit2 bandit1 33 Oct 14 09:26 -
drwxr-xr-x  2 root    root    4096 Oct 14 09:26 .
drwxr-xr-x 150 root    root    4096 Oct 14 09:29 ..
-rw-r--r--  1 root    root     220 Mar 31 2024 .bash_logout
-rw-r--r--  1 root    root    3851 Oct 14 09:19 .bashrc
-rw-r--r--  1 root    root     807 Mar 31 2024 .profile
bandit1@bandit:~$ cat ./-
263JGJPfgU6LtdEvgfWU1XP5yac29mFx
bandit1@bandit:~$
```

## Level 2:

In order to access the file which includes spaces I escaped them using backslashes.

```
bandit2@bandit:~$ ls
--spaces in this filename--
bandit2@bandit:~$ cat ./--spaces\ in\ this\ filename--
MNk8KNH3Usio41PRUEoDFPqfxLP1Smx
bandit2@bandit:~$
```

## Level 3:

For this file I listed all files in the directory including hidden ones and once I knew the correct path I printed the contents of the file.

```
bandit3@bandit:~$ cd inhere/
bandit3@bandit:~/inhere$ ls
bandit3@bandit:~/inhere$ ls -la
total 12
drwxr-xr-x 2 root    root    4096 Oct 14 09:26 .
drwxr-xr-x 3 root    root    4096 Oct 14 09:26 ..
-rw-r----- 1 bandit4 bandit3  33 Oct 14 09:26 ...Hiding-From-You
bandit3@bandit:~/inhere$ cat ..Hiding-From-You
cat: ..Hiding-From-You: No such file or directory
bandit3@bandit:~/inhere$ cat ...Hiding-From-You
2WmrDFRmJIq3IPxneAaMGhap0pFhF3NJ
bandit3@bandit:~/inhere$
```

## Level 4:

Here I used the file command to show the type of each file and then selected the only one which contained ASCII text.

```
bandit4@bandit:~$ ls
inhere
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00 -file02 -file04 -file06 -file08
-file01 -file03 -file05 -file07 -file09
bandit4@bandit:~/inhere$ file ./-file07
./-file00: data
./-file01: data
./-file02: data
./-file03: data
./-file04: data
./-file05: data
./-file06: data
./-file07: ASCII text
./-file08: data
./-file09: data
bandit4@bandit:~/inhere$ cat ./-file07
4oQYVPkxZ00E005pTW81FB8j81xXGUQw
bandit4@bandit:~/inhere$
```

## Level 5:

Here I tried using the find command with the size parameter, specifying the size that was given in the instructions which only showed one result.

```
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls
maybehere00  maybehere04  maybehere08  maybehere12  maybehere16
maybehere01  maybehere05  maybehere09  maybehere13  maybehere17
maybehere02  maybehere06  maybehere10  maybehere14  maybehere18
maybehere03  maybehere07  maybehere11  maybehere15  maybehere19
bandit5@bandit:~/inhere$ find -size 1033c
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
HWasnPhtq9AVKe0dmk45nxy20cvUa6EG
```

## Level 6:

For this exercise I tried a find command on the whole server with the information given in the instructions and found only one file that I could access, here I found the last password.

```
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c
find: '/proc/tty/driver': Permission denied
find: '/proc/1/task/1/fd': Permission denied
find: '/proc/1/task/1/fdinfo': Permission denied
find: '/proc/1/task/1/ns': Permission denied
find: '/proc/1/fd': Permission denied
find: '/proc/1/map_files': Permission denied
find: '/proc/1/fdinfo': Permission denied
find: '/proc/1/ns': Permission denied
find: '/proc/2/task/2/fd': Permission denied
find: '/proc/2/task/2/fdinfo': Permission denied
find: '/proc/2/task/2/ns': Permission denied
find: '/proc/2/fd': Permission denied
find: '/proc/2/map_files': Permission denied
find: '/proc/2/fdinfo': Permission denied
find: '/proc/2/ns': Permission denied
find: '/proc/17/task/17/fd/6': No such file or directory
find: '/proc/17/task/17/fdinfo/6': No such file or directory
find: '/proc/17/fd/5': No such file or directory
find: '/proc/17/fdinfo/5': No such file or directory
find: '/lost+found': Permission denied
find: '/var/tmp': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/lib/update-notifier/package-data-downloads/partial': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/polkit-1': Permission denied
find: '/var/lib/chrony': Permission denied
find: '/var/lib/udisks2': Permission denied
find: '/var/lib/snapd/cookie': Permission denied
find: '/var/lib/snapd/void': Permission denied
find: '/var/lib/private': Permission denied
find: '/var/lib/ubuntu-advantage/apt-esm/var/lib/apt/lists/partial': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/lib/alternatives': Permission denied
```