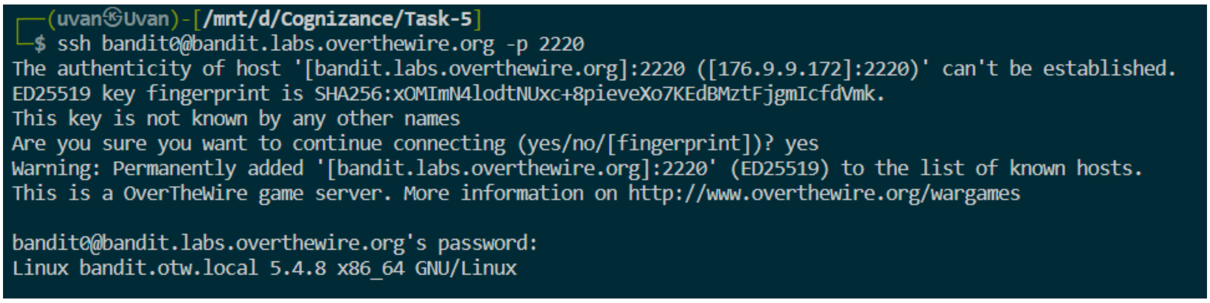
Name: Uvan Shankar A P

Roll No. : CH.EN.U4CSE20173

Cognizance

Task-5

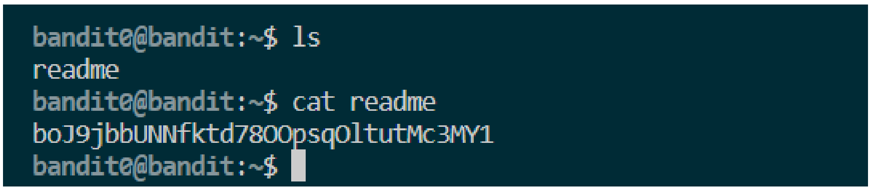
Level-0



```
┌──(uvan㉿Uvan)-[/mnt/d/Cognizance/Task-5]
└─$ ssh bandit0@bandit.labs.overthewire.org -p 2220
The authenticity of host '[bandit.labs.overthewire.org]:2220 ([176.9.9.172]:2220)' can't be established.
ED25519 key fingerprint is SHA256:xOMImN4lodtNUxc+8pieveXo7KEdBMztFjgmIcfdVmk.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[bandit.labs.overthewire.org]:2220' (ED25519) to the list of known hosts.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit0@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

Level 0 → Level 1

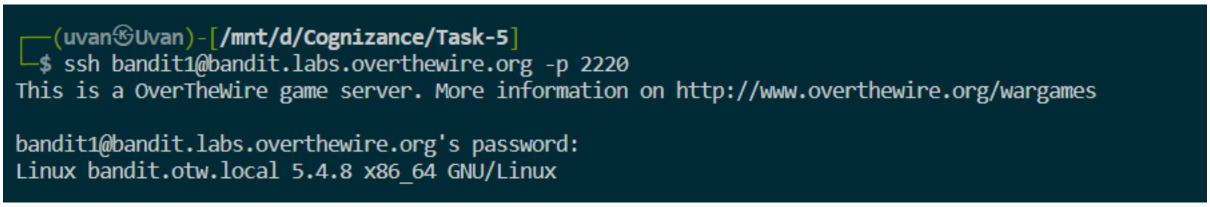
Password: boJ9jbbUNNfktd78OOpsqOltutMc3MY1



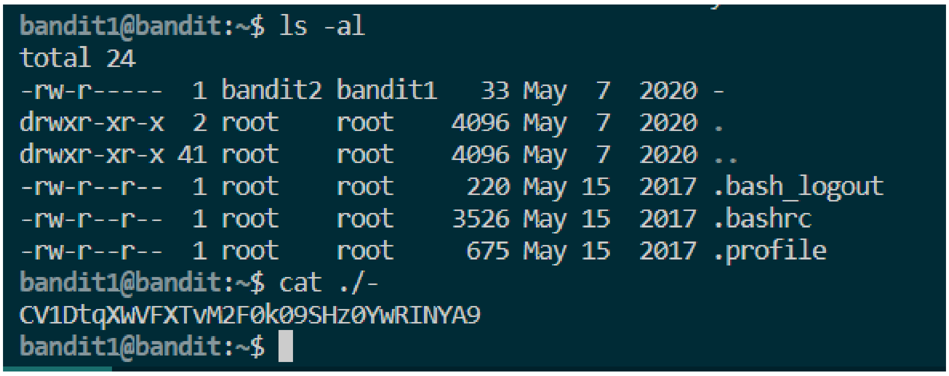
```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd78OOpsqOltutMc3MY1
bandit0@bandit:~$ █
```

Level 1 → Level 2

Password: CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9



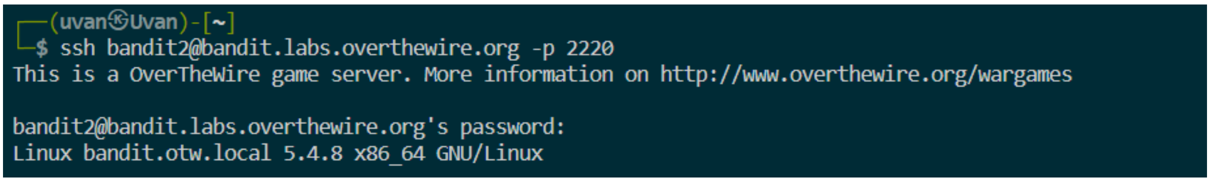
```
┌──(uvan㉿Uvan)-[/mnt/d/Cognizance/Task-5]
└─$ ssh bandit1@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit1@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



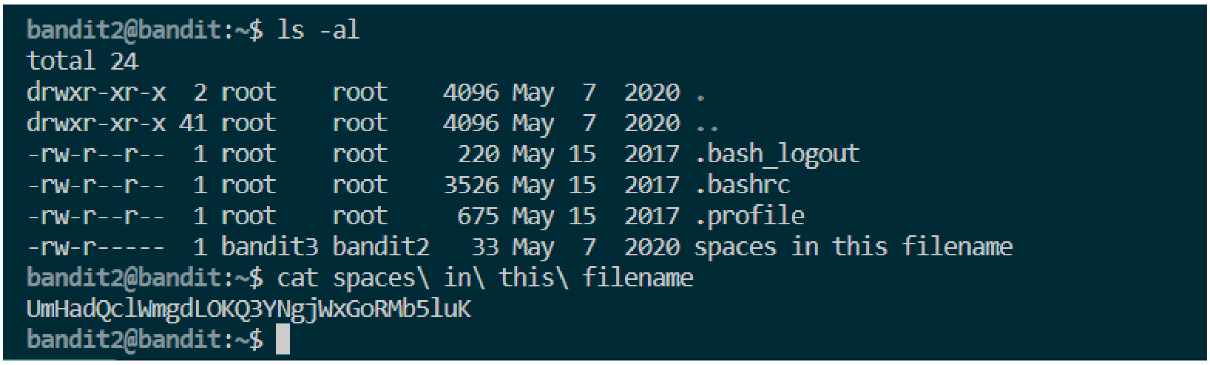
```
bandit1@bandit:~$ ls -al
total 24
-rw-r-----  1 bandit2 bandit1   33 May  7  2020 -
drwxr-xr-x  2 root    root    4096 May  7  2020 .
drwxr-xr-x 41 root    root    4096 May  7  2020 ..
-rw-r--r--  1 root    root     220 May 15  2017 .bash_logout
-rw-r--r--  1 root    root    3526 May 15  2017 .bashrc
-rw-r--r--  1 root    root     675 May 15  2017 .profile
bandit1@bandit:~$ cat ./-
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
bandit1@bandit:~$ █
```

Level 2 → Level 3

Password: UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK)



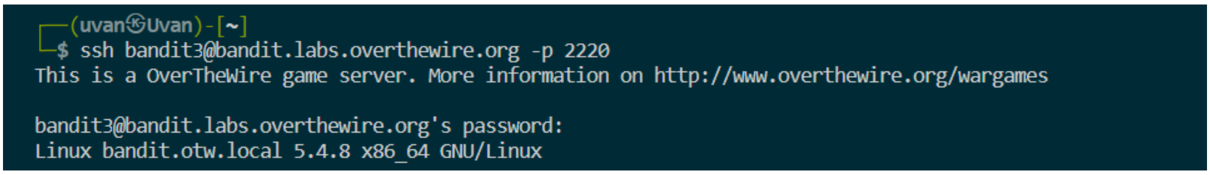
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit2@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit2@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



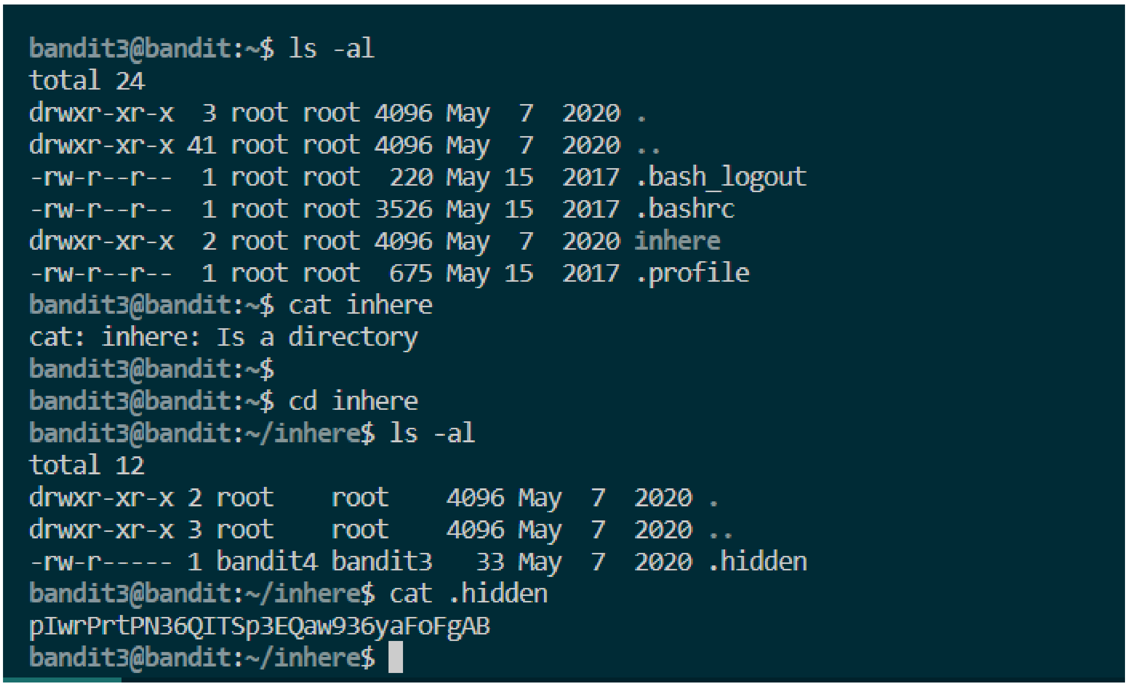
```
bandit2@bandit:~$ ls -al
total 24
drwxr-xr-x  2 root    root    4096 May  7  2020 .
drwxr-xr-x 41 root    root    4096 May  7  2020 ..
-rw-r--r--  1 root    root     220 May 15  2017 .bash_logout
-rw-r--r--  1 root    root    3526 May 15  2017 .bashrc
-rw-r--r--  1 root    root     675 May 15  2017 .profile
-rw-r-----  1 bandit3 bandit2   33 May  7  2020 spaces in this filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
bandit2@bandit:~$ 
```

Level 3 → Level 4

Password: pIwrPrtPN36QITSp3EQaw936yaFoFgAB



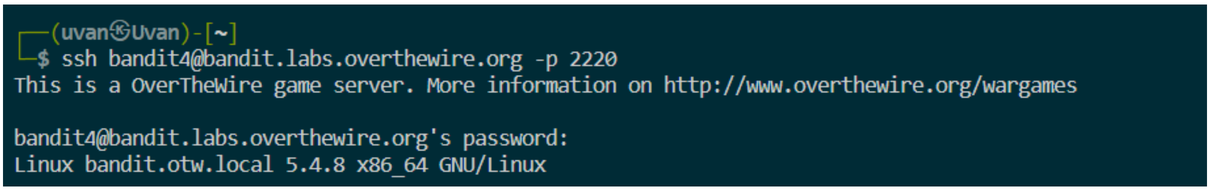
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit3@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit3@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



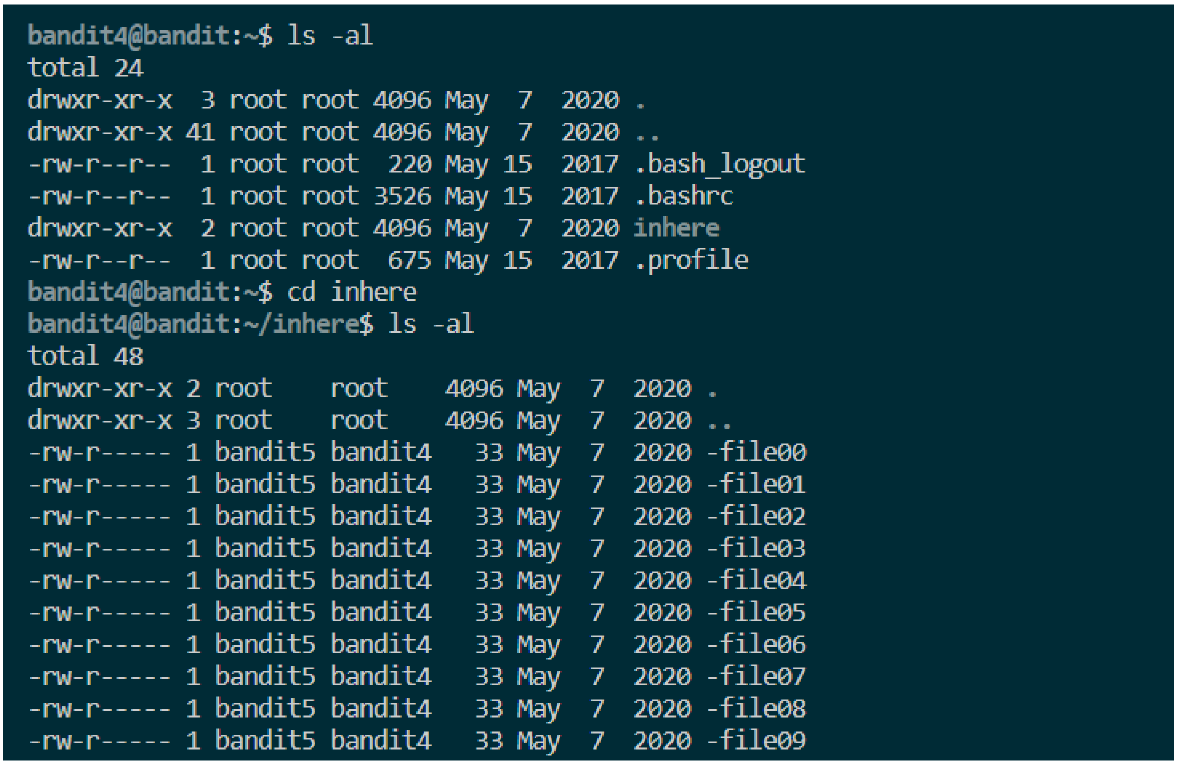
```
bandit3@bandit:~$ ls -al
total 24
drwxr-xr-x  3 root root 4096 May  7  2020 .
drwxr-xr-x 41 root root 4096 May  7  2020 ..
-rw-r--r--  1 root root  220 May 15  2017 .bash_logout
-rw-r--r--  1 root root 3526 May 15  2017 .bashrc
drwxr-xr-x  2 root root 4096 May  7  2020 inhere
-rw-r--r--  1 root root  675 May 15  2017 .profile
bandit3@bandit:~$ cat inhere
cat: inhere: Is a directory
bandit3@bandit:~$
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -al
total 12
drwxr-xr-x 2 root    root    4096 May  7  2020 .
drwxr-xr-x 3 root    root    4096 May  7  2020 ..
-rw-r----- 1 bandit4 bandit3   33 May  7  2020 .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$ 
```

Level 4 → Level 5

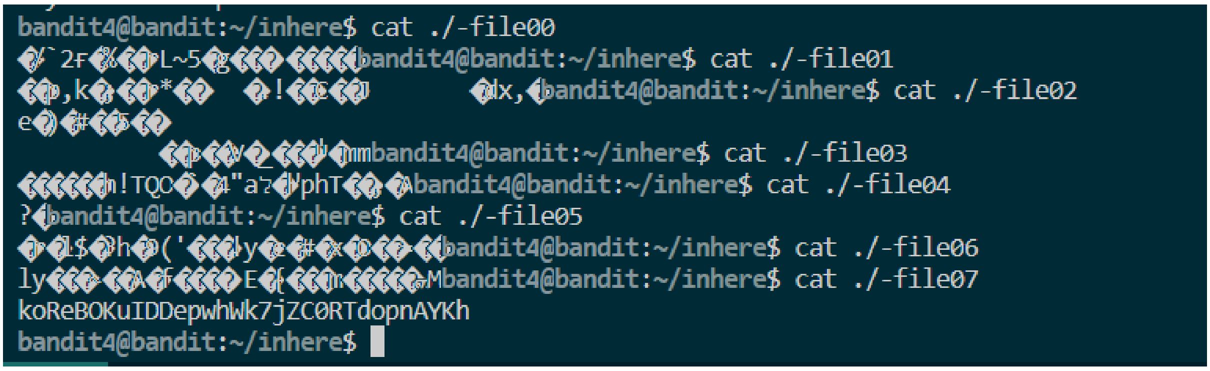
Password: koReBOKuIDDepwhWk7jZC0RTdopnAYKh



```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit4@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit4@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



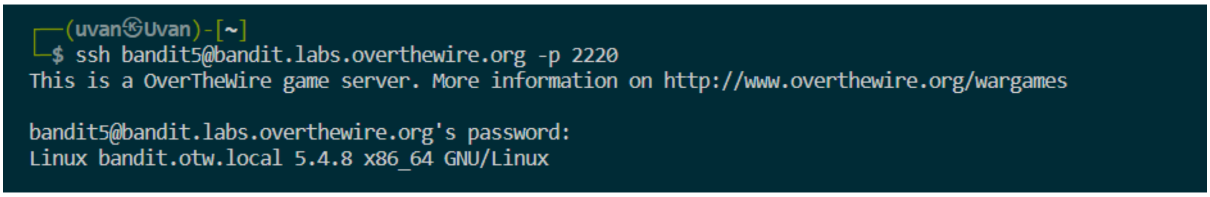
```
bandit4@bandit:~$ ls -al
total 24
drwxr-xr-x  3 root root 4096 May  7  2020 .
drwxr-xr-x 41 root root 4096 May  7  2020 ..
-rw-r--r--  1 root root  220 May 15  2017 .bash_logout
-rw-r--r--  1 root root 3526 May 15  2017 .bashrc
drwxr-xr-x  2 root root 4096 May  7  2020 inhere
-rw-r--r--  1 root root  675 May 15  2017 .profile
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls -al
total 48
drwxr-xr-x 2 root    root    4096 May  7  2020 .
drwxr-xr-x 3 root    root    4096 May  7  2020 ..
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file00
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file01
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file02
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file03
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file04
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file05
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file06
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file07
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file08
-rw-r----- 1 bandit5 bandit4   33 May  7  2020 -file09
```



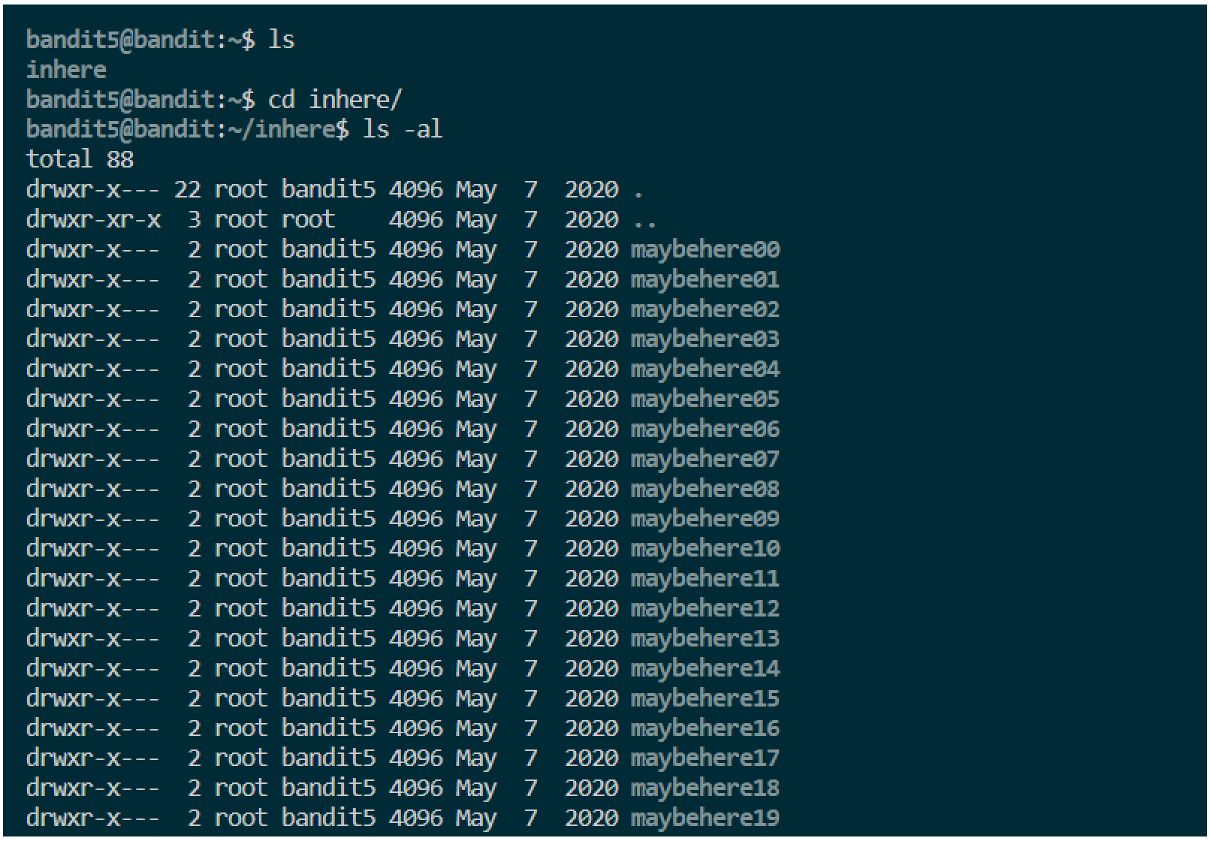
```
bandit4@bandit:~/inhere$ cat ./-file00
�/`2F�%��L~5�g��� ����bandit4@bandit:~/inhere$ cat ./-file01
��p,k���*��   �!����J       �dx,�bandit4@bandit:~/inhere$ cat ./-file02
e�)�#��5��
          ��p��V�_���'�mmbandit4@bandit:~/inhere$ cat ./-file03
������h!TQC��4"a�phT���Abandit4@bandit:~/inhere$ cat ./-file04
?�bandit4@bandit:~/inhere$ cat ./-file05
��l$�h�('���y��#�x�D����bandit4@bandit:~/inhere$ cat ./-file06
ly������A�f����E�{���m������Mbandit4@bandit:~/inhere$ cat ./-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$ █
```

Level 5 → Level 6

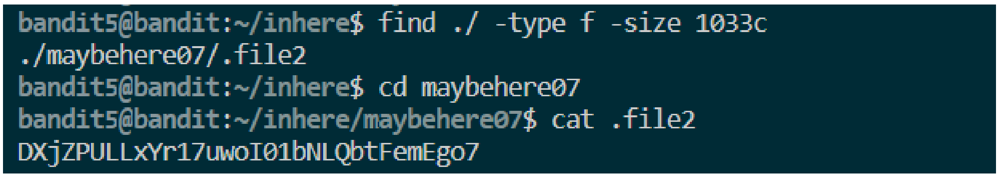
Password: DXjZPULLxYr17uwoI01bNLQbtFemEgo7



```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit5@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit5@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



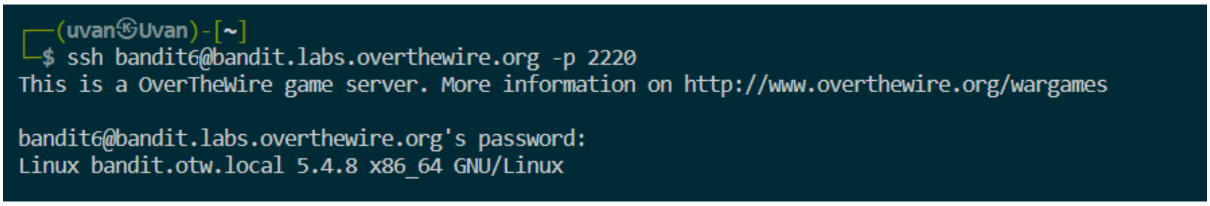
```
bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls -al
total 88
drwxr-x--- 22 root bandit5 4096 May  7  2020 .
drwxr-xr-x  3 root root    4096 May  7  2020 ..
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere00
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere01
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere02
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere03
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere04
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere05
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere06
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere07
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere08
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere09
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere10
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere11
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere12
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere13
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere14
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere15
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere16
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere17
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere18
drwxr-x---  2 root bandit5 4096 May  7  2020 maybehere19
```



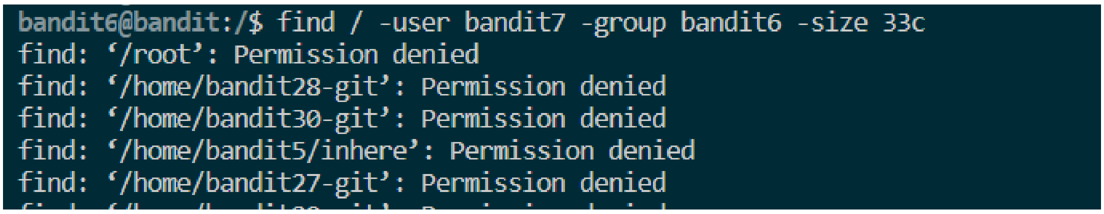
```
bandit5@bandit:~/inhere$ find ./ -type f -size 1033c
./maybehere07/.file2
bandit5@bandit:~/inhere$ cd maybehere07
bandit5@bandit:~/inhere/maybehere07$ cat .file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```

Level 6 → Level 7

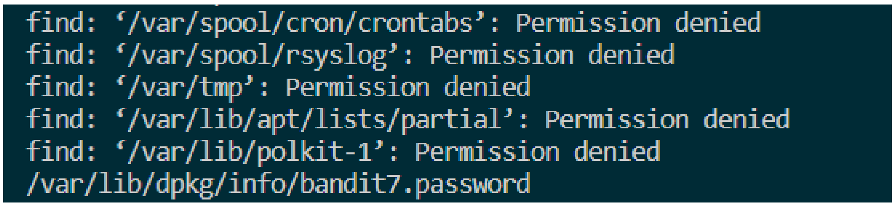
Password: HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs



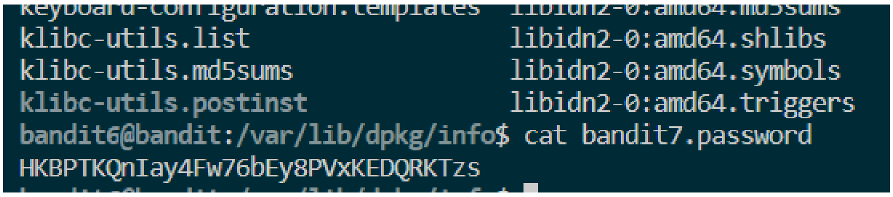
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit6@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit6@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



```
bandit6@bandit:/$ find / -user bandit7 -group bandit6 -size 33c
find: ‘/root’: Permission denied
find: ‘/home/bandit28-git’: Permission denied
find: ‘/home/bandit30-git’: Permission denied
find: ‘/home/bandit5/inhere’: Permission denied
find: ‘/home/bandit27-git’: Permission denied
```



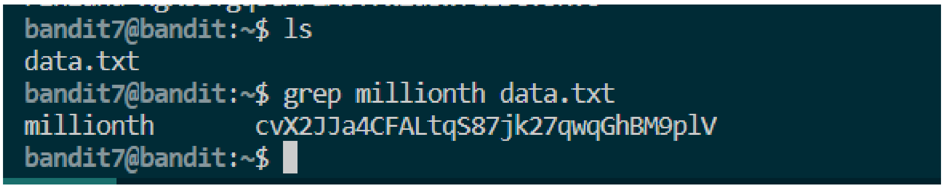
```
find: ‘/var/spool/cron/crontabs’: Permission denied
find: ‘/var/spool/rsyslog’: Permission denied
find: ‘/var/tmp’: Permission denied
find: ‘/var/lib/apt/lists/partial’: Permission denied
find: ‘/var/lib/polkit-1’: Permission denied
/var/lib/dpkg/info/bandit7.password
```



```
keyboard-configuration.templates   libidn2-0:amd64.md5sums
klibc-utils.list                   libidn2-0:amd64.shlibs
klibc-utils.md5sums                libidn2-0:amd64.symbols
klibc-utils.postinst               libidn2-0:amd64.triggers
bandit6@bandit:/var/lib/dpkg/info$ cat bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
```

Level 7 → Level 8

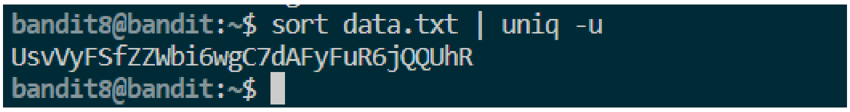
Password: cvX2JJa4CFALtqS87jk27qwqGhBM9plV



```
bandit7@bandit:~$ ls
data.txt
bandit7@bandit:~$ grep millionth data.txt
millionth       cvX2JJa4CFALtqS87jk27qwqGhBM9plV
bandit7@bandit:~$ █
```

Level 8 → Level 9

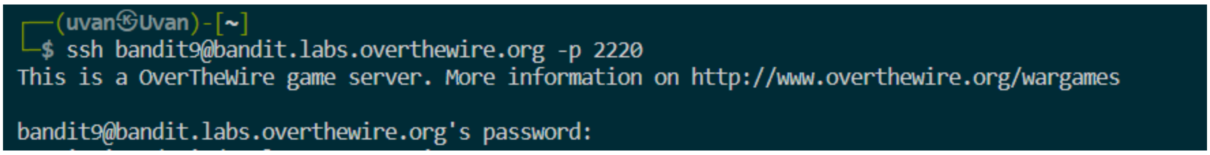
Password: UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR



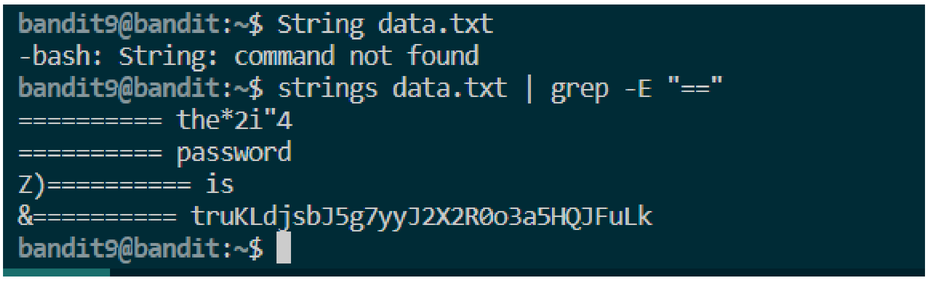
```
bandit8@bandit:~$ sort data.txt | uniq -u
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
bandit8@bandit:~$ █
```

Level 9 → Level 10

Password: truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk



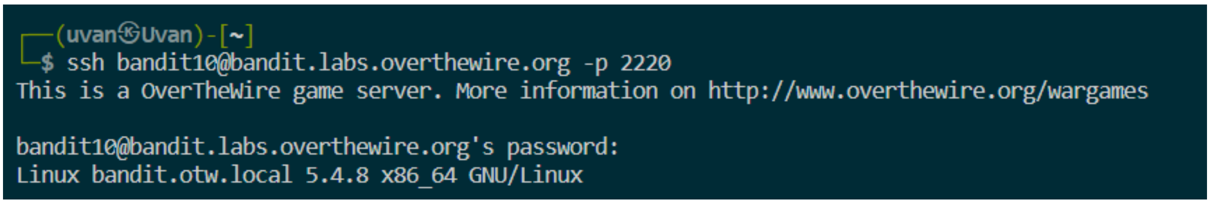
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit9@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit9@bandit.labs.overthewire.org's password:
```



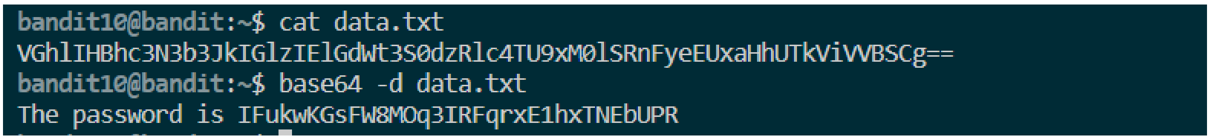
```
bandit9@bandit:~$ String data.txt
-bash: String: command not found
bandit9@bandit:~$ strings data.txt | grep -E "=="
========== the*2i"4
========== password
Z)========== is
&========== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk
bandit9@bandit:~$
```

Level 10 → Level 11

Password: IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR



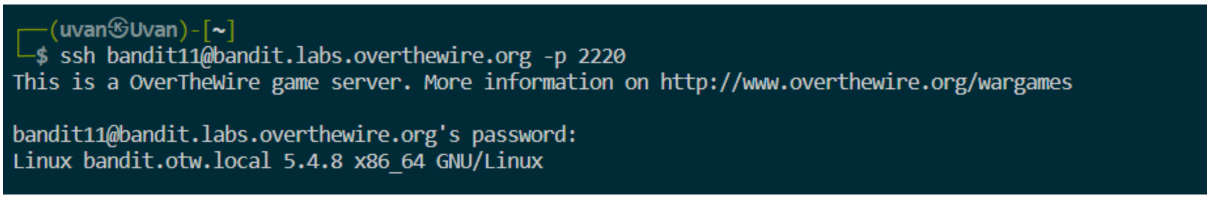
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit10@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit10@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



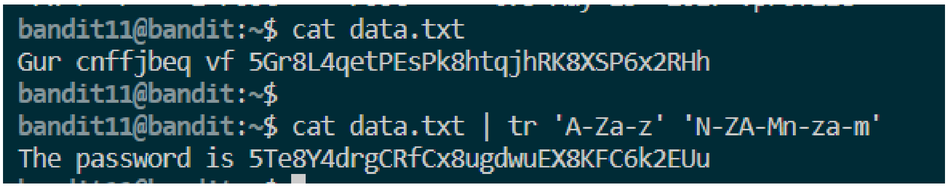
```
bandit10@bandit:~$ cat data.txt
VGhlIHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
```

Level 11 → Level 12

Password: 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu



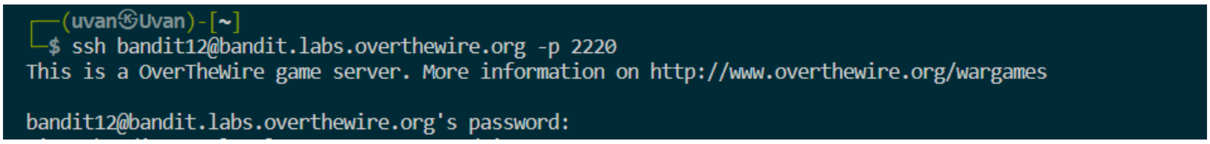
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit11@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit11@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



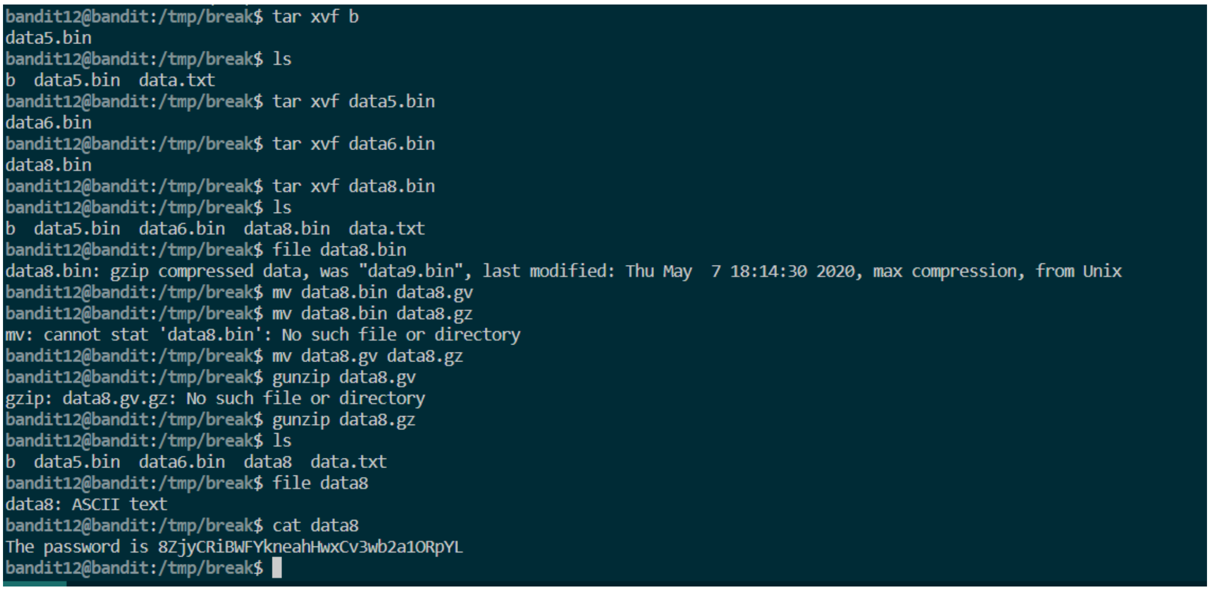
```
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
bandit11@bandit:~$
bandit11@bandit:~$ cat data.txt | tr 'A-Za-z' 'N-ZA-Mn-za-m'
The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
```

Level 12 → Level 13

Password: 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL



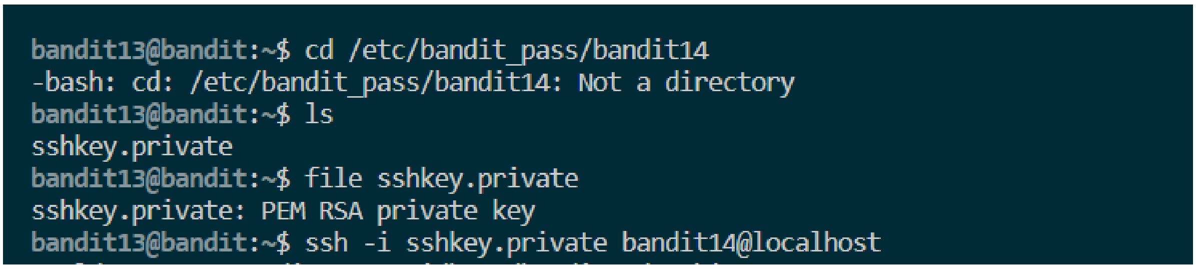
```
┌──(uvan㉿Uvan)-[~]
└─$ ssh bandit12@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit12@bandit.labs.overthewire.org's password:
```



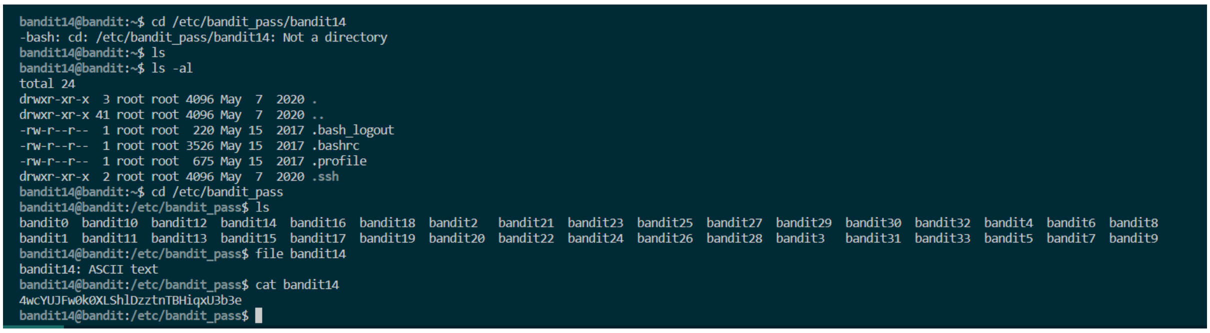
```
bandit12@bandit:/tmp/break$ tar xvf b
data5.bin
bandit12@bandit:/tmp/break$ ls
b  data5.bin  data.txt
bandit12@bandit:/tmp/break$ tar xvf data5.bin
data6.bin
bandit12@bandit:/tmp/break$ tar xvf data6.bin
data8.bin
bandit12@bandit:/tmp/break$ tar xvf data8.bin
bandit12@bandit:/tmp/break$ ls
b  data5.bin  data6.bin  data8.bin  data.txt
bandit12@bandit:/tmp/break$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Thu May  7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/break$ mv data8.bin data8.gv
bandit12@bandit:/tmp/break$ mv data8.bin data8.gz
mv: cannot stat 'data8.bin': No such file or directory
bandit12@bandit:/tmp/break$ mv data8.gv data8.gz
bandit12@bandit:/tmp/break$ gunzip data8.gv
gzip: data8.gv.gz: No such file or directory
bandit12@bandit:/tmp/break$ gunzip data8.gz
bandit12@bandit:/tmp/break$ ls
b  data5.bin  data6.bin  data8  data.txt
bandit12@bandit:/tmp/break$ file data8
data8: ASCII text
bandit12@bandit:/tmp/break$ cat data8
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL
bandit12@bandit:/tmp/break$ 
```

Level 13 → Level 14

logged in using private key



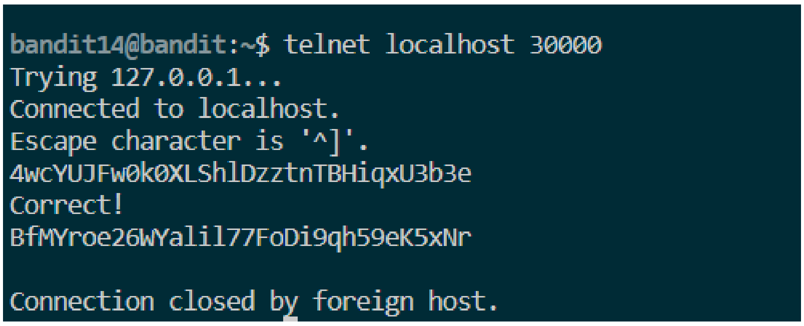
```
bandit13@bandit:~$ cd /etc/bandit_pass/bandit14
-bash: cd: /etc/bandit_pass/bandit14: Not a directory
bandit13@bandit:~$ ls
sshkey.private
bandit13@bandit:~$ file sshkey.private
sshkey.private: PEM RSA private key
bandit13@bandit:~$ ssh -i sshkey.private bandit14@localhost
```



```
bandit14@bandit:~$ cd /etc/bandit_pass/bandit14
-bash: cd: /etc/bandit_pass/bandit14: Not a directory
bandit14@bandit:~$ ls
bandit14@bandit:~$ ls -al
total 24
drwxr-xr-x  3 root root 4096 May  7  2020 .
drwxr-xr-x 41 root root 4096 May  7  2020 ..
-rw-r--r--  1 root root  220 May 15  2017 .bash_logout
-rw-r--r--  1 root root 3526 May 15  2017 .bashrc
-rw-r--r--  1 root root  675 May 15  2017 .profile
drwxr-xr-x  2 root root 4096 May  7  2020 .ssh
bandit14@bandit:~$ cd /etc/bandit_pass
bandit14@bandit:/etc/bandit_pass$ ls
bandit0  bandit10  bandit12  bandit14  bandit16  bandit18  bandit2   bandit21  bandit23  bandit25  bandit27  bandit29  bandit30  bandit32  bandit4  bandit6  bandit8
bandit1  bandit11  bandit13  bandit15  bandit17  bandit19  bandit20  bandit22  bandit24  bandit26  bandit28  bandit3   bandit31  bandit33  bandit5  bandit7  bandit9
bandit14@bandit:/etc/bandit_pass$ file bandit14
bandit14: ASCII text
bandit14@bandit:/etc/bandit_pass$ cat bandit14
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:/etc/bandit_pass$ 
```

Level 14 → Level 15

Password: BfMYroe26WYalil77FoDi9qh59eK5xNr



```
bandit14@bandit:~$ telnet localhost 30000
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr

Connection closed by foreign host.
```