Task 7

THARANIESH P R
21257

level - 0:

```
thaxx@thaxx-VirtualBox:~$ ssh bandit0@bandit.labs.overthewire.org -p 2220
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
```

```
        ,------.            ,----.            .----.
       /   /    \          ,/  .` |          /. ./|
      /   ,    :        ,`   .'  :        ,--.--:  :
     .   ;   .`. ;   ,---,/  /   ;      /__./  \ : |
     ;   : \  : |  '---'/  /   ,/   ,---.;  ; .'  '
     |   ; ;  ; |      |  ; '.'     /___/ \ |    :
     .   : | : ' :      :.'---'       \  ;  \  ;  ;
     '   ; \; /  |       |   |          \  \  ;  '. \
      \   \ ',  /        |   |           |  '  ;    |--"
       \   ' ;.         :   |.'           \   \ ;
     www. `---` ver    '---' he          '---`" ire.org
```

```
Welcome to OverTheWire!
```

level 0-1:

```
http://www.overthewire.org/wargames/

    For support, questions or comments, contact us through IRC on
    irc.overthewire.org #wargames.

    Enjoy your stay!

bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd7800psqOltutMc3MY1
bandit0@bandit:~$
```

Password :
boJ9jbbUNNfktd7800psqOltutMc3M

Y1 level 1-2:

```
bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat ./-
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
bandit1@bandit:~$
```

Password :
V1DtqXWVFXTvM2F0k)9SHz0YwRINYA9

level 2-3:

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat 'spaces in this filename'
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

Password:
UmHadQclWmgdLOkQ3yNgjWxGoRMb5luK

level 3-4:

```
 For support, questions or comments, contact us through IRC on
 irc.overthewire.org #wargames.

 Enjoy your stay!

bandit3@bandit:~$ ls
inhere
bandit3@bandit:~$ cat inhere
cat: inhere: Is a directory
bandit3@bandit:~$ cd  inhere
bandit3@bandit:~/inhere$ ls -a
.  ..  .hidden
bandit3@bandit:~/inhere$ cd .hidden
-bash: cd: .hidden: Not a directory
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
```

Password:
pIwrPrtPN36QITTSP3EQaw936yaFoFgAB

level 4-5:

```
bandit4@bandit:~$ ls
inhere
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls
-file00  -file01  -file02  -file03  -file04  -file05  -file06  -file07  -file08  -file09
bandit4@bandit:~/inhere$ file ./-file00
./-file00: data
bandit4@bandit:~/inhere$ find -type f | xargs file
./-file01: data
./-file00: data
./-file06: data
./-file03: data
./-file05: data
./-file08: data
./-file04: data
./-file07: ASCII text
./-file02: data
./-file09: data
bandit4@bandit:~/inhere$ cat ./-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$
```

Password:
koReBOKuIDDepwhwk7jZC0RTdopnAYKh

level 5-6:

```
   For support, questions or comments, contact us through IRC on
   irc.overthewire.org #wargames.

   Enjoy your stay!

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

Password:

DXjZPULLxYr17uwoI01bNLQbtFemEgo7

level 6-7:

```
find: '/run/screen/S-bandit9': Permission denied
find: '/run/screen/S-bandit28': Permission denied
find: '/run/screen/S-bandit18': Permission denied
find: '/run/screen/S-bandit20': Permission denied
find: '/run/screen/S-bandit12': Permission denied
find: '/run/screen/S-bandit5': Permission denied
find: '/run/screen/S-bandit7': Permission denied
find: '/run/screen/S-bandit16': Permission denied
find: '/run/screen/S-bandit26': Permission denied
find: '/run/screen/S-bandit8': Permission denied
find: '/run/screen/S-bandit15': Permission denied
find: '/run/screen/S-bandit4': Permission denied
find: '/run/screen/S-bandit3': Permission denied
find: '/run/screen/S-bandit19': Permission denied
find: '/run/screen/S-bandit31': Permission denied
find: '/run/screen/S-bandit17': Permission denied
find: '/run/screen/S-bandit2': Permission denied
find: '/run/screen/S-bandit22': Permission denied
find: '/run/screen/S-bandit21': Permission denied
find: '/run/screen/S-bandit14': Permission denied
find: '/run/screen/S-bandit13': Permission denied
find: '/run/screen/S-bandit24': Permission denied
find: '/run/screen/S-bandit23': Permission denied
find: '/run/shm': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/var/spool/bandit24': 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
find: '/var/log': Permission denied
find: '/var/cache/apt/archives/partial': Permission denied
find: '/var/cache/ldconfig': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
```

Password :

HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

level 7-8:

```
For support, questions or comments, contact us through IRC on
irc.overthewire.org #wargames.

Enjoy your stay!
bandit7@bandit:~$ ls
data.txt
bandit7@bandit:~$ grep data.txt millionth
grep: millionth: No such file or directory
bandit7@bandit:~$ grep millionth data.txt
millionth       cvX2JJa4CFALtqS87jk27qwqGhBM9plV
```

Password:

cvX2JJa4CFALtqS87jk27qwqGhBM9plV

level 8-9:

```
10 NLWvtQvL7EaqBNx2x4eznRlQONULlCYZ
10 NOdH1kFWibx4XnNaJoLFmghBn7oIs5hb
10 ojGabNG5NJ9ppKUBXGr8lwMRRS5GuiA5
10 OZ1wgx8bDI0vFOFxDQH32eMMcIPiIuPE
10 PfbMe4Xb3mw5mJmabIbKAXKCU7zynDHl
10 PQKOeIQwTw490Y8yobuxZAOL4cNmVo1D
10 PSdVQSeUUBPRZD58WWP0OXLKxSgU3RxX
10 ptb5ZW8TcgD3U6gOGCcN31xCDGIoQSEa
10 qaWWAOOquC3yHnfJI4zvPWzCBdfHQ8wa
10 RMiSPoAvF7WhgIcOdSQR2r6Zx0DNS5UW
10 s1603Q2r4RPKqyoA8cspIRk0VdgEmFC3
10 SA05uWMVCao2rzS8YRqUXh19SvnDpuOl
10 SHMAMUEzQe4mV7SJpETTZFsyNRJsZE2k
10 si952kS1y6pt4AFenmm0oIp8n7W5d3bd
10 sYSokIATVvFUKU4sAHTtMarfjlZWWj5i
10 SzwgS2ADSjP6ypOzp2bIvdqNyusRtrHj
10 TKUtQbeYnEzzYIne7BinoBx2bHFLBXzG
10 TThRArdF2ZEXMO47TIYkyPPLtvzzLcDf
10 tVW9iY1Ml0uHPK4usZnN8oZXbjRt2ATY
10 U0NYdD3wHZKpfEg9qGQOLJimAJy6qxhS
10 UASW6CQwD6MRzftu6FAfyXBK0cVvnBLP
10 UJiCNvDNfgb3fcCj8PjjnAXHqUM63Uyj
10 UjsVbcqKeJqdCZQCDMkzv6A9X7hLbNE4
 1 UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
10 UVnZvhiVQECraz5jl8U14sMVZQhjuXia
10 V2d9umHiuPLYLIDsuHj0frOEmreCZMaA
10 v9zaxkVAOdIOlITZY2uoCtB1fX2gmly9
10 VkBAEWyIibVkeURZV5mowiGg6i3m7Be0
10 w4zUWFGTUrAAh8lNkS8gH3WK2zowBEkA
10 WBqr9xvf6mYTT5kLcTGCG6jb3ex94xWr
10 wjNwumEX58RUQTrufHMciWz5Yx10GtTC
10 X1JHOUkrb4KgugMXIzMWWIWvRkeZleTI
10 XyeJdbrUJyGtdGx8cXLQST0pwu5cvpcA
10 yo0HbSe2GM0jJNhRQLxwoPp7ayYEmRKY
10 ySvsTwlMgnUF0n86Fgmn2TNjkSOlrV72
10 Z90C6DQpppreChPhwRJJV9YYTtrxNVcO
10 zdd2ctVveRQGeiS2WE3TeLZMeL5jL7iM
```

Password: UsvVyFSfZZwbi6wgC7dAFyFuR6jQQuhR

level 9-10:

```
  Enjoy your stay!

bandit9@bandit:~$ ls
data.txt
bandit9@bandit:~$ grep == data.txt
Binary file data.txt matches
bandit9@bandit:~$ grep '==' data.txt
Binary file data.txt matches
bandit9@bandit:~$ strings data.txt | grep "="
========== the*2i"4
=:G e
========== password
<I=zsGi
Z)========== is
A=|t&E
Zdb=
c^ LAh=3G
*SF=s
&========== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk
S=A.H&^
bandit9@bandit:~$ grep "=" data.txt
Binary file data.txt matches
bandit9@bandit:~$ strings data.txt | grep "="
========== the*2i"4
=:G e
========== password
<I=zsGi
Z)========== is
A=|t&E
Zdb=
c^ LAh=3G
*SF=s
&========== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk
```

Password:

truKLdjsbJ5g7yyJ2X2R0o3a5HQJFulk

level 10-11:

```
  firewall.

--[ Tools ]--

 For your convenience we have installed a few usefull tools which you can find
 in the following locations:

    * gef (https://github.com/hugsy/gef) in /usr/local/gef/
    * pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
    * peda (https://github.com/longld/peda.git) in /usr/local/peda/
    * gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
    * pwntools (https://github.com/Gallopsled/pwntools)
    * radare2 (http://www.radare.org/)
    * checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh

--[ More information ]--

 For more information regarding individual wargames, visit
 http://www.overthewire.org/wargames/

 For support, questions or comments, contact us through IRC on
 irc.overthewire.org #wargames.

 Enjoy your stay!

bandit10@bandit:~$ ls
data.txt
bandit10@bandit:~$ man base64
bandit10@bandit:~$
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$ exit
logout
```

Password:

IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

level 11-12:

```
  Enjoy your stay!

bandit11@bandit:~$ ls
data.txt
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
bandit11@bandit:~$ tr a-zA-Z n-za-mN-ZA-M
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
```

Password:

5te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu

level 12-13:

```
bandit12@bandit:/tmp/Thaxx$ bunzip2 password.bz2
bandit12@bandit:/tmp/Thaxx$ ls
data5.bin  data.txt  pass.txt  password
bandit12@bandit:/tmp/Thaxx$ file password
password: POSIX tar archive (GNU)
bandit12@bandit:/tmp/Thaxx$ tar -x -f password
bandit12@bandit:/tmp/Thaxx$ ls
data5.bin  data8.bin  data.txt  pass.txt  password
bandit12@bandit:/tmp/Thaxx$ file data8.tt
data8.tt: cannot open `data8.tt' (No such file or directory)
bandit12@bandit:/tmp/Thaxx$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Thu May  7 18:1
4:30 2020, max compression, from Unix
bandit12@bandit:/tmp/Thaxx$ mv data8.bin data8.bin.gz
bandit12@bandit:/tmp/Thaxx$ ls
data5.bin  data8.bin.gz  data.txt  pass.txt  password
bandit12@bandit:/tmp/Thaxx$ gunzip data8.bin.gz
bandit12@bandit:/tmp/Thaxx$ ls
data5.bin  data8.bin  data.txt  pass.txt  password
bandit12@bandit:/tmp/Thaxx$ file data8.bin
data8.bin: ASCII text
bandit12@bandit:/tmp/Thaxx$ cat data8.bin
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL
bandit12@bandit:/tmp/Thaxx$
```

Password:

8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL

level 13-14:

```
sshkey.private: PEM RSA private key
bandit13@bandit:~$ man ssh
bandit13@bandit:~$
bandit13@bandit:~$ ssh -i ssh.private bandit14@localhost
Warning: Identity file ssh.private not accessible: No such file or directory.
Could not create directory '/home/bandit13/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZWr85496EtCRkKlo20X3OPnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? y
Please type 'yes' or 'no': yes
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_hosts).
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit14@localhost's password:
Permission denied, please try again.
bandit14@localhost's password:
Permission denied, please try again.
bandit14@localhost's password:
Authentication failed.
bandit13@bandit:~$ ssh -i sshkey.private bandit14@localhost
Could not create directory '/home/bandit13/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZWr85496EtCRkKlo20X3OPnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_hosts).
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

level 14-15:

```
   Enjoy your stay!

bandit14@bandit:~$ ls
bandit14@bandit:~$ ls
bandit14@bandit:~$ cd /etc/bandit_pass/bandit14
-bash: cd: /etc/bandit_pass/bandit14: Not a directory
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:~$ nc localhost 30000
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
```

Password:
BfMYroe26WYalil77FoDi9qh59eK5xNr

level 15-16:

```
bandit15@bandit:~$ nc localhost 30001
BfMYroe26WYalil77FoDi9qh59eK5xNr
bandit15@bandit:~$ echo wot
wot
bandit15@bandit:~$ ls
bandit15@bandit:~$ ls -
ls: cannot access '-': No such file or directory
bandit15@bandit:~$ ls -a
.   ..   .bandit14.password   .bash_logout   .bashrc   .profile
bandit15@bandit:~$ cat .bandit14.password
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit15@bandit:~$ man nc
bandit15@bandit:~$
bandit15@bandit:~$ man ncat
bandit15@bandit:~$
bandit15@bandit:~$ ncat -ssl localhost 30001
Ncat: Could not resolve source address "sl": No address associated with hostname
. QUITTING.
bandit15@bandit:~$ ncat --ssl localhost 30001
BfMYroe26WYalil77FoDi9qh59eK5xNr
Correct!
cluFn7wTiGryunymYOu4RcffSxQluehd
```

Password:
cluFn7wTiGryunymYOu4RcffSxQluehd