

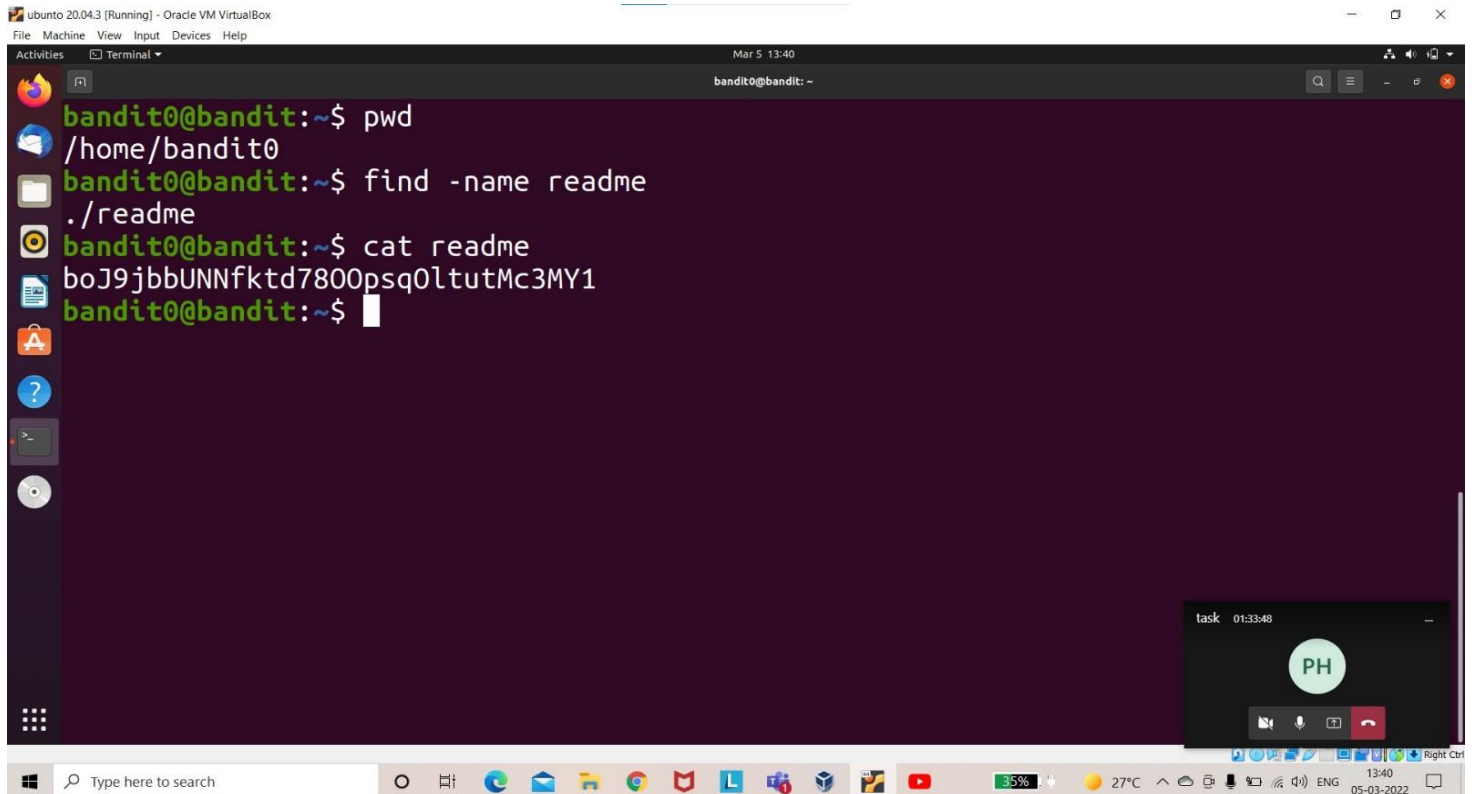
COGNIZANCE TASK 7

NAME: KANWALJEET KAUR

ROLL NO.: CH.EN.U4CCE21021

Configuration password: bandit0

Level 0: boJ9jbbUNNfktd78OOpsqOltutMc3MY1

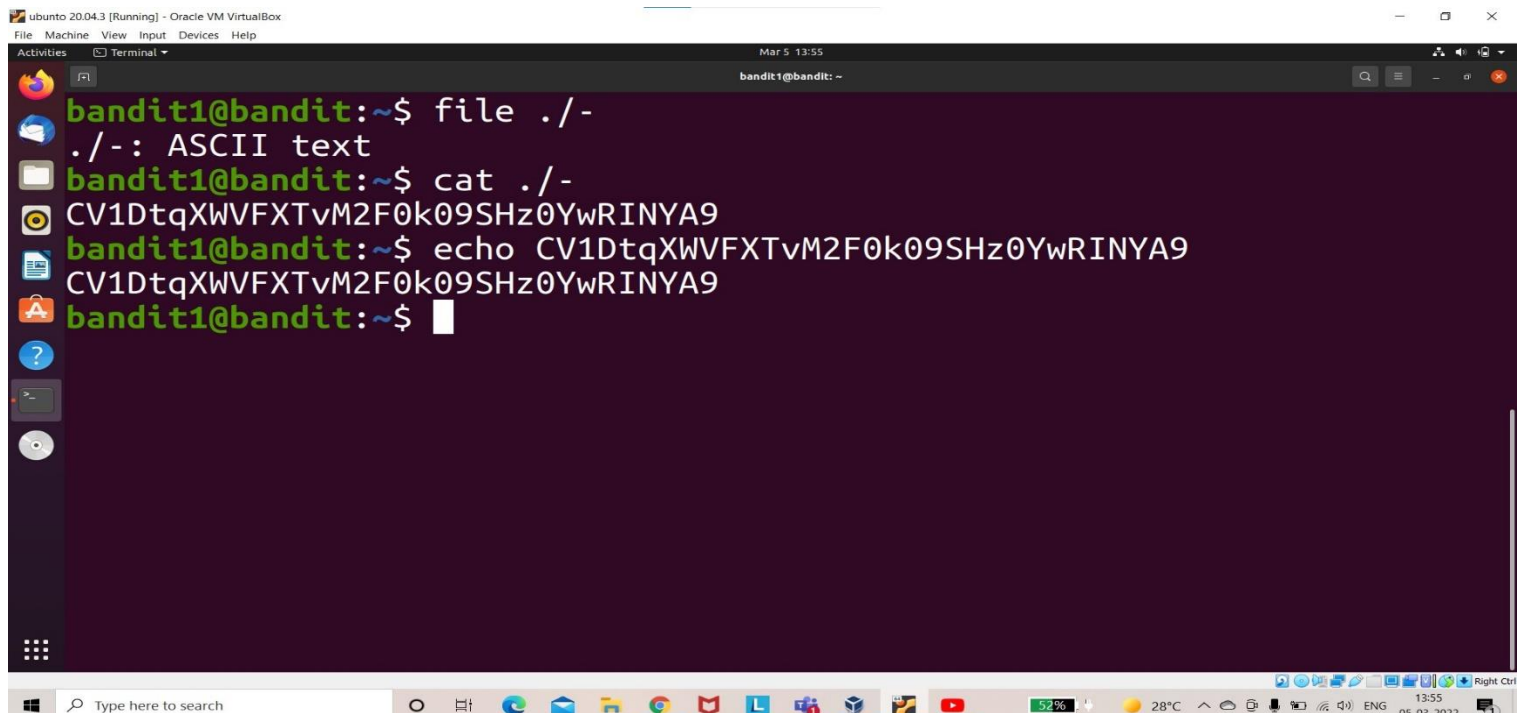


The screenshot shows a terminal window titled 'bandit0@bandit: ~' with the following commands and output:

```
bandit0@bandit:~$ pwd
/home/bandit0
bandit0@bandit:~$ find -name readme
./readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd78OOpsqOltutMc3MY1
bandit0@bandit:~$
```

The terminal is part of an Ubuntu 20.04.3 virtual machine. A small video call window is visible in the bottom right corner of the terminal area.

Level 1: CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9

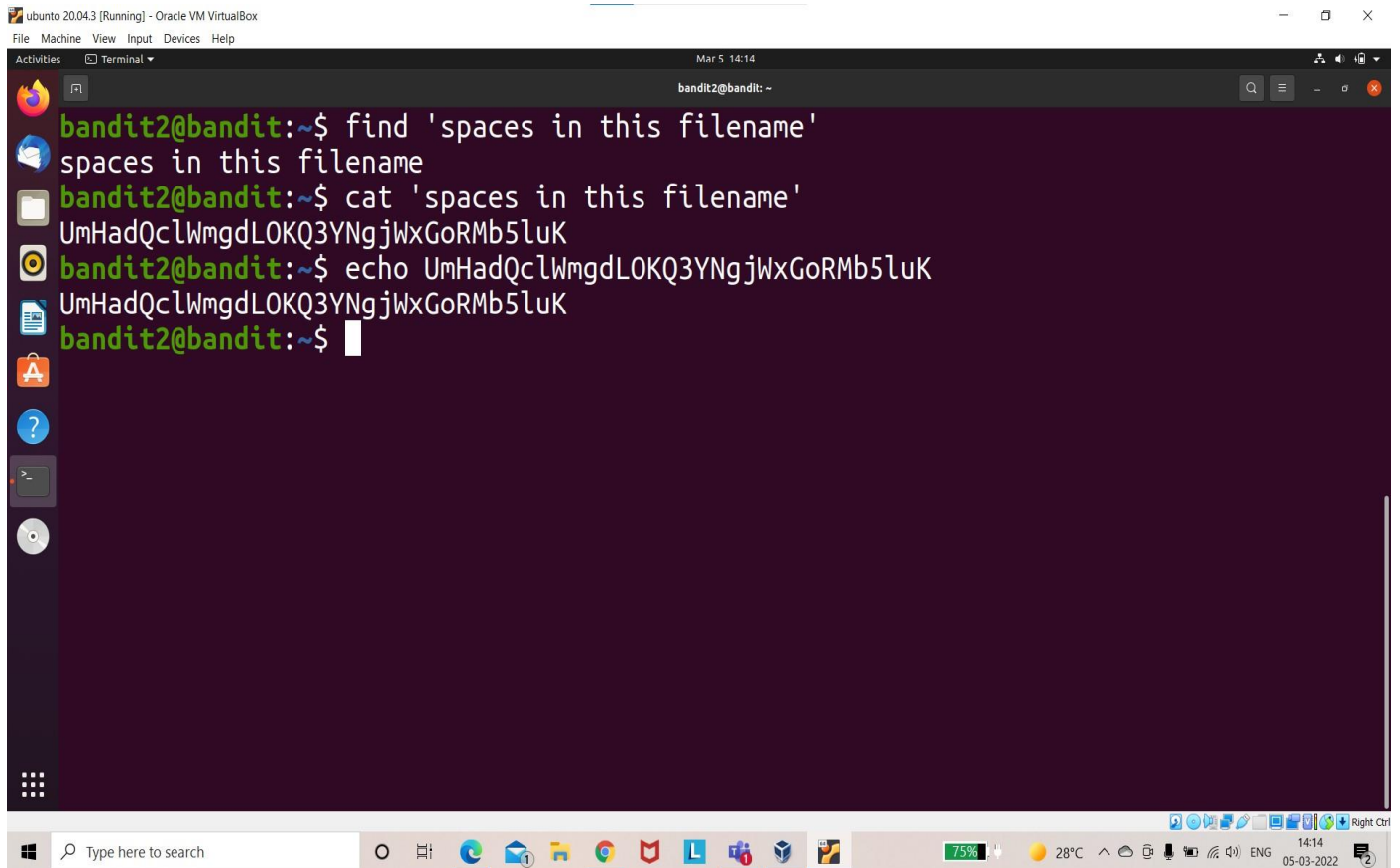


The screenshot shows a terminal window titled 'bandit1@bandit: ~' with the following commands and output:

```
bandit1@bandit:~$ file ./-
./-: ASCII text
bandit1@bandit:~$ cat ./-
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
bandit1@bandit:~$ echo CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
bandit1@bandit:~$
```

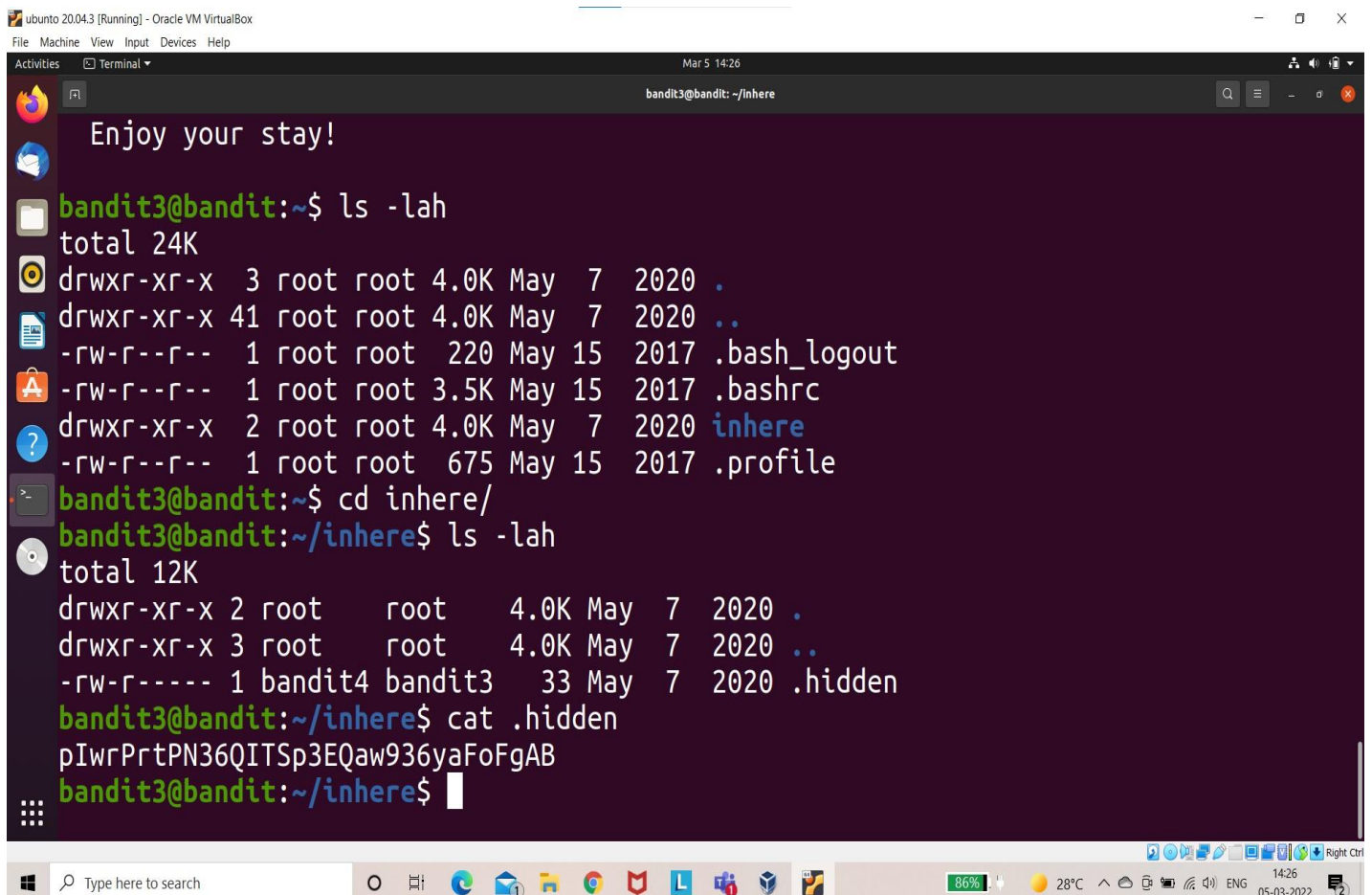
The terminal is part of an Ubuntu 20.04.3 virtual machine. The system tray at the bottom shows the date as 05-03-2022 and the time as 13:55.

Level 2 : UmHadQcIWmgdLOKQ3YNgjWxGoRMb5luK



```
bandit2@bandit:~$ find 'spaces in this filename'
spaces in this filename
bandit2@bandit:~$ cat 'spaces in this filename'
UmHadQcIWmgdLOKQ3YNgjWxGoRMb5luK
bandit2@bandit:~$ echo UmHadQcIWmgdLOKQ3YNgjWxGoRMb5luK
UmHadQcIWmgdLOKQ3YNgjWxGoRMb5luK
bandit2@bandit:~$
```

Level 3: pIwrPrtpN36QITSp3EQaw936yaFoFgAB



```
bandit3@bandit:~/inhere$ ls -lah
total 24K
drwxr-xr-x  3 root root 4.0K May  7  2020 .
drwxr-xr-x 41 root root 4.0K May  7  2020 ..
-rw-r--r--  1 root root 220 May 15  2017 .bash_logout
-rw-r--r--  1 root root 3.5K May 15  2017 .bashrc
drwxr-xr-x  2 root root 4.0K May  7  2020 inhere
-rw-r--r--  1 root root 675 May 15  2017 .profile
bandit3@bandit:~/inhere$ cd inhere/
bandit3@bandit:~/inhere$ ls -lah
total 12K
drwxr-xr-x 2 root  root  4.0K May  7  2020 .
drwxr-xr-x 3 root  root  4.0K May  7  2020 ..
-rw-r----- 1 bandit4 bandit3 33 May  7  2020 .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtpN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$
```

Level 4: koReBOKuIDDepwhWk7jZC0RTdopnAYKh

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 14:54
bandit4@bandit: ~/inhere
-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$ file ./
./: directory
bandit4@bandit:~/inhere$ file ./-file07
./-file07: ASCII text
bandit4@bandit:~/inhere$ cat ./-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$
```

Level 5: DXjZPULLxYr17uwoI01bNLQbtFemEgo7

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 15:14
bandit6@bandit: ~
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere02
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere03
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere04
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere05
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere06
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere07
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere08
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere09
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere10
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere11
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere12
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere13
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere14
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere15
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere16
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere17
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere18
drwxr-x--- 2 root bandit5 4.0K May 7 2020 maybehere19
bandit5@bandit:~/inhere$ find . -size 1033c
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```


Level 6: HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 16:41
bandit6@bandit: ~
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
bandit6@bandit:~$
```

Level 7: cvX2JJJa4CFALtqS87jk27qwqGhBM9plV

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 16:47
bandit7@bandit: ~
aquas RkI4EWYAjHPMexRFTY9Rq7vQtjhiKgZw
swaddled snDpr6ve7nuPsjBoTGLrmp0YomdhVzAH
garishness's UbK1yZ2nC02GEjArLASLw0bT8jgOp9rx
Benny's QQkZrdiFs47KckVLi5ifsFqtLcRxyjvZ
regulated sxJ8HT73fvZMMIicL50nhawcrsYGUIWP
knotting vh268WJXw10Snszed9MVaHD4rTP69lZr
hymnals 7MqsN32lFDbPigtAX6cwFbMZcPAMUoae
Fremont tCy02wC8xdpFqjLZ8xdBQYAHFZPHk7ls
punter's zAfzaA1IOuBSamCR6eMmRoc9oNXPQ16a
junking 6Tlr5K8YZ1d2Xsdku3TTFYXWB6WOMxyT
Aymara zSeU50UyD8Q6a6YPwaClRBbk1x8kFBEC
waned gL59r6xvewh5y8t0mgiNtHtCUMG8S6Id
conceded TWLUptX3HbwD4qsYQ9sEN0n0iNy79sC
kilned kLjrgoJvftIyUyotu0I4cxFcXQXbC6aS
Santayana KKn1I4fuWdzKyvffp1aYrBDzQa3Tr3Pk
Antigua dRyNieqAg00kCgrKVQFXMXS06vFARL55
heyday UAGwMlFzylGa4fHpQZEeLUQEZ5JlUpyX
praiseworthiness's bjRB0uGXM4dH7ip9hHB3mbFBMMwLNkNq
separatism p2167YTCJseAv4YhLZNb2fs7JivlDLUW
plan PLz4ZXwX02fEe4oMd1I78wQXl4MIMxTf
confrontation KlHScgMgzyBQYxBXkxsjKcQ2A5erDIjL
briquet's aHc51xHj1t3ANF7jH26dd7mHwBfd8VKz
encapsulate STOVYQEMWtFz54JtjJRrHDXgZcfVw8ls
wildfowls PqcMofjmKj8NBv09exdu7FY2NG6WUMzb
Finland xgXsIYgqUCMrIMoT7W2dSwTG1DCvBrVU
bandit7@bandit:~$ cat data.txt | grep millionth
millionth cvX2JJJa4CFALtqS87jk27qwqGhBM9plV
bandit7@bandit:~$
```

Level 8: UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 16:58
bandit8@bandit: ~
bandit8@bandit:~$ ls -lah
total 56K
drwxr-xr-x  2 root    root    4.0K May  7  2020 .
drwxr-xr-x 41 root    root    4.0K May  7  2020 ..
-rw-r--r--  1 root    root    220 May 15  2017 .bash_logout
-rw-r--r--  1 root    root    3.5K May 15  2017 .bashrc
-rw-r-----  1 bandit9 bandit8 33K May  7  2020 data.txt
-rw-r--r--  1 root    root    675 May 15  2017 .profile
bandit8@bandit:~$ sort data.txt | uniq -u
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
bandit8@bandit:~$
```

Level 9: truKLDjsbJ5g7yyJ2X2R0o3a5HqJFuLk

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 17:04
bandit9@bandit: ~
ANYwPCpk
Xk]E
bh}s
P'uP
\ -A:
sCtY
Z/1x+
ej8z
P" ` \XZ
1K0A
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:~$
```

Level 10: IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 17:15 bandit10@bandit: ~

--[ 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:~$ man base64
bandit10@bandit:~$ ls -lah
total 24K
drwxr-xr-x  2 root    root    4.0K May  7  2020 .
drwxr-xr-x 41 root    root    4.0K May  7  2020 ..
-rw-r--r--  1 root    root    220 May 15  2017 .bash_logout
-rw-r--r--  1 root    root   3.5K May 15  2017 .bashrc
-rw-r----- 1 bandit11 bandit10 69 May  7  2020 data.txt
-rw-r--r--  1 root    root   675 May 15  2017 .profile
bandit10@bandit:~$ cat data.txt | base64 --decode
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$
```

Level 11: 5Te8Y4drgCRfCx8ugdwwEX8KFC6k2EUu

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 21:04 bandit11@bandit: ~

bandit11@bandit:~$ ls -lah
total 24K
drwxr-xr-x  2 root    root    4.0K May  7  2020 .
drwxr-xr-x 41 root    root    4.0K May  7  2020 ..
-rw-r--r--  1 root    root    220 May 15  2017 .bash_logout
-rw-r--r--  1 root    root   3.5K May 15  2017 .bashrc
-rw-r----- 1 bandit12 bandit11 49 May  7  2020 data.txt
-rw-r--r--  1 root    root   675 May 15  2017 .profile
bandit11@bandit:~$ cat data.txt | tr a-zA-Z n-za-mN-ZA-M
The password is 5Te8Y4drgCRfCx8ugdwwEX8KFC6k2EUu
bandit11@bandit:~$
```


Level 12: 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL

```
File Machine View Input Devices Help
Activities Terminal Mar 5 21:00
bandit12@bandit: /tmp/kanwal123$ bzip2 -d data7.bz2
bandit12@bandit: /tmp/kanwal123$ ls
data5.tar data6.tar data7 data.txt
bandit12@bandit: /tmp/kanwal123$ file data7
data7: POSIX tar archive (GNU)
bandit12@bandit: /tmp/kanwal123$ mv data7 data8.tar
bandit12@bandit: /tmp/kanwal123$ ls
data5.tar data6.tar data8.tar data.txt
bandit12@bandit: /tmp/kanwal123$ tar xf data8.tar
bandit12@bandit: /tmp/kanwal123$ ls
data5.tar data6.tar data8.bin data8.tar data.txt
bandit12@bandit: /tmp/kanwal123$ 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/kanwal123$ mv data8.bin data9.gz
bandit12@bandit: /tmp/kanwal123$ gzip -d data9.gz
bandit12@bandit: /tmp/kanwal123$ ls
data5.tar data6.tar data8.tar data9 data.txt
bandit12@bandit: /tmp/kanwal123$ file data9
data9: ASCII text
bandit12@bandit: /tmp/kanwal123$ cat data9
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL
bandit12@bandit: /tmp/kanwal123$
```

Level 13: the password can only be accessed by user bandit14

```
File Machine View Input Devices Help
Activities Terminal Mar 5 21:13
bandit14@bandit: ~
xAh0tONG/u8FB5I3LAI2Vp60viwvdWeC4nOxCthldpuPKNLA8rmMMVVRTKQ+7T2VS
nXmwYckKUcUgzoVSpINZaS0zUDypdpy2+trH3MQa5kqN1YKjvF8RC47woOYCKtsD
o3FFpGNFec9Taa3Msy+DfQQhHKZFKIL3bJDONtmrVvtYK40/yeU4aZ/HA2DQzwe
ol1AfiEhAoGBA0nVjosBkm7sblK+n4IEwPxs8s0mhPnTDUy5WGrpSCrX0msVIBUf
laL3ZGLx3xCIwtCnEucB9DvN2HZkucp/h6hTKUYLqXuyLD8njTrbRhLgbC9QrKrS
M1F2fSTxVqPtZDLDMwjNR04xHA/fKh8bXXyTmqOHNJTHHnbh3McdURjAoGBANKU
1hqfnw7+aXncJ9bjysr1ZWbq0E5Nd8AFgfwaKuGTTVX2NsUQnCMWdOp+wFak40JH
PKWkJNDBG+ex0H9JNQsTK3X5PBMA58AfX0GrKeuwKWA6erytVTqj0fLYcdp5+z9s
8DtVCxDuVsM+i4X8UqIG0lvGbtKEVokHPFXP1q/dAoGACHg5YX7WEehCgCYTzp0+
xysX8ScM2qS6xuZ3MqUWAXUWkh7NGZvhe0sGy9iOdANzwKw7mUUFVlaCMR/t54W1
GC83s0s3D7n5Mj8x3Nd08xFit7dT9a245TvaoYQ7KgmqpSg/ScKcW4c3eiLava+J
3btnJeSIU+8ZXq9XjPRpKwUCgYA7z6LiOQKxNeXH3qHXcnHok855maUj5fJNPbY
iDkyZ8ySF8GlCfsky8Yw6fWCqfG3zDrohJ5l9JmEsBh7SadkwsZhvecQcS9t4vby
9/8X4jS0P8ibfckS4nBP+dT81kkkg5Z5MohXB0RA7VWx+ACohcDEkprsQ+w32xeD
qT1EvQKBgQDKm8ws2ByvSUVs9GjTilCajFqLJ0eVYzRPaY6f++Gv/UVfAPV4c+S0
kAWpXbv5tbkkzbS0eaLPTKgLzavXtQoTtKwrjpoLHKIHUz6Wu+n4abfAIRFub0Dn
/+aLoRQ0yBDRbdXMsZN/jvY44eM+xRLdRVyMmdPtP8be1Ri2E2aEzA==
-----END RSA PRIVATE KEY-----
bandit13@bandit:~$ ssh bandit14@localhost -i sshkey.private
Could not create directory '/home/bandit13/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
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)
```


Level 14 - current password: 4wcYUJFw0k0XLShlDzztnTBHixU3b3e

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 21:18
bandit14@bandit: /etc/bandit_pass
-r----- 1 bandit21 bandit21 33 May 7 2020 bandit21
-r----- 1 bandit22 bandit22 33 May 7 2020 bandit22
-r----- 1 bandit23 bandit23 33 May 7 2020 bandit23
-r----- 1 bandit24 bandit24 33 May 7 2020 bandit24
-r----- 1 bandit25 bandit25 33 May 7 2020 bandit25
-r----- 1 bandit26 bandit26 33 May 7 2020 bandit26
-r----- 1 bandit27 bandit27 33 May 7 2020 bandit27
-r----- 1 bandit28 bandit28 33 May 7 2020 bandit28
-r----- 1 bandit29 bandit29 33 May 7 2020 bandit29
-r----- 1 bandit3 bandit3 33 May 7 2020 bandit3
-r----- 1 bandit30 bandit30 33 May 7 2020 bandit30
-r----- 1 bandit31 bandit31 33 May 7 2020 bandit31
-r----- 1 bandit32 bandit32 33 May 7 2020 bandit32
-r----- 1 bandit33 bandit33 33 May 7 2020 bandit33
-r----- 1 bandit4 bandit4 33 May 7 2020 bandit4
-r----- 1 bandit5 bandit5 33 May 7 2020 bandit5
-r----- 1 bandit6 bandit6 33 May 7 2020 bandit6
-r----- 1 bandit7 bandit7 33 May 7 2020 bandit7
-r----- 1 bandit8 bandit8 33 May 7 2020 bandit8
-r----- 1 bandit9 bandit9 33 May 7 2020 bandit9
bandit14@bandit:/etc/bandit_pass$ cat bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
bandit14@bandit:/etc/bandit_pass$
```

level 14 – password for next level: BfMYroe26WYalil77FoDi9qh59eK5xNr

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Mar 5 21:23
bandit14@bandit: /etc/bandit_pass
-r----- 1 bandit27 bandit27 33 May 7 2020 bandit27
-r----- 1 bandit28 bandit28 33 May 7 2020 bandit28
-r----- 1 bandit29 bandit29 33 May 7 2020 bandit29
-r----- 1 bandit3 bandit3 33 May 7 2020 bandit3
-r----- 1 bandit30 bandit30 33 May 7 2020 bandit30
-r----- 1 bandit31 bandit31 33 May 7 2020 bandit31
-r----- 1 bandit32 bandit32 33 May 7 2020 bandit32
-r----- 1 bandit33 bandit33 33 May 7 2020 bandit33
-r----- 1 bandit4 bandit4 33 May 7 2020 bandit4
-r----- 1 bandit5 bandit5 33 May 7 2020 bandit5
-r----- 1 bandit6 bandit6 33 May 7 2020 bandit6
-r----- 1 bandit7 bandit7 33 May 7 2020 bandit7
-r----- 1 bandit8 bandit8 33 May 7 2020 bandit8
-r----- 1 bandit9 bandit9 33 May 7 2020 bandit9
bandit14@bandit:/etc/bandit_pass$ cat bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
bandit14@bandit:/etc/bandit_pass$ man nc
bandit14@bandit:/etc/bandit_pass$ nc localhost 30000
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
bandit14@bandit:/etc/bandit_pass$
```


Level 15: cluFn7wTiGryunymY0u4Rcff5xQluehd

```
ubuntu 20.04.3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Mar 5 21:31 bandit15@bandit: ~

--ssl-cert Specify SSL certificate file (PEM) for listening
--ssl-key Specify SSL private key (PEM) for listening
--ssl-verify Verify trust and domain name of certificates
--ssl-trustfile PEM file containing trusted SSL certificates
--ssl-ciphers Cipherlist containing SSL ciphers to use

--ssl (Use SSL)
--ssl-verify (Verify server certificates)
    In client mode, --ssl-verify is like --ssl except that it also requires verification of
    certificates; these will also be used if available. Use --ssl-trustfile to give a
--ssl-cert certfile.pem (Specify SSL certificate)
    --ssl-key.
--ssl-key keyfile.pem (Specify SSL private key)
    certificate named with --ssl-cert.
--ssl-trustfile cert.pem (List trusted certificates)
    verification. It has no effect unless combined with --ssl-verify. The argument to this
--ssl-ciphers cipherlist (Specify SSL ciphersuites)
    http://www.openssl.org

bandit15@bandit:~$ ncat --ssl localhost 30001
BfMYroe26WYalil77FoDi9qh59eK5xNr
Correct!
cluFn7wTiGryunymY0u4Rcff5xQluehd
```