

COGNIZANCE

TASK 7



By

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LINUX GAMES



INITIALIZING SSH



```
Activities Terminal Mar 5 13:08 bandit0@bandit: ~
abi@abi-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

  OoT  W  R
www. ver he ire.org

Welcome to OverTheWire!

If you find any problems, please report them to Steven or morla on
irc.overthewire.org.

--[ Playing the games ]--

This machine might hold several wargames.
If you are playing "somegame", then:

* USERNAMES are somegame0, somegame1, ...
* Most LEVELS are stored in /somegame/.
* PASSWORDS for each level are stored in /etc/somegame_pass/.

Write-access to homedirectories is disabled. It is advised to create a
working directory with a hard-to-guess name in /tmp/. You can use the
command "mktemp -d" in order to generate a random and hard to guess
directory in /tmp/. Read-access to both /tmp/ and /proc/ is disabled
so that users can not snoop on eachother. Files and directories with
easily guessable or short names will be periodically deleted!

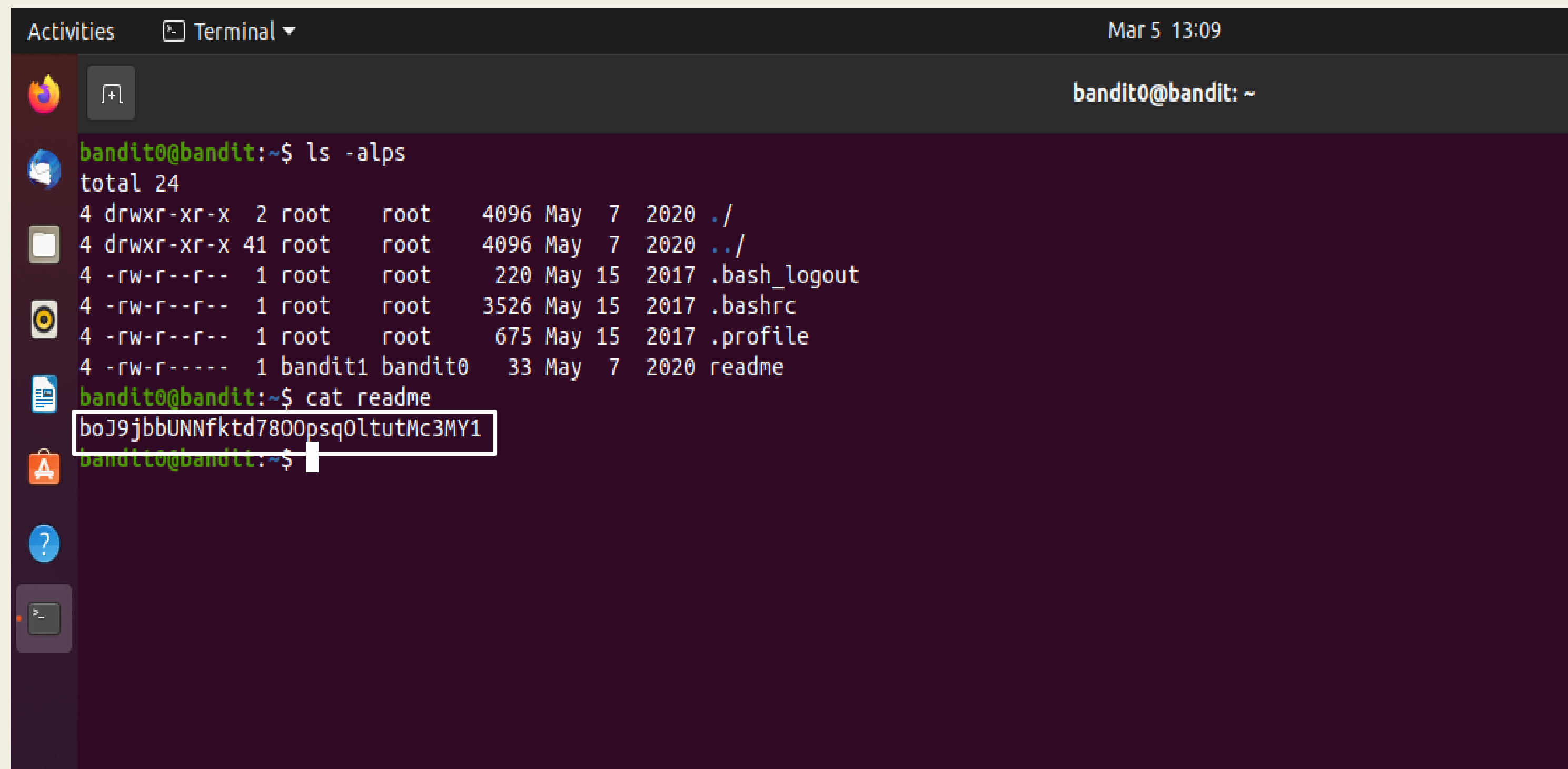
Please play nice:

* don't leave orphan processes running
* don't leave exploit-files laying around
```

01

Level 0 - 1

boJ9jbbUNNfktd7800psqOltutMc3MY1



A terminal window titled "Terminal" with a timestamp of "Mar 5 13:09". The user is logged in as "bandit0@bandit: ~". The terminal shows the following commands and output:

```
bandit0@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  2 root    root    4096 May  7  2020 ./
4 drwxr-xr-x 41 root    root    4096 May  7  2020 ../
4 -rw-r--r--  1 root    root     220 May 15  2017 .bash_logout
4 -rw-r--r--  1 root    root    3526 May 15  2017 .bashrc
4 -rw-r--r--  1 root    root     675 May 15  2017 .profile
4 -rw-r----- 1 bandit1 bandit0   33 May  7  2020 readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd7800psqOltutMc3MY1
bandit0@bandit:~$
```

The output of the `cat readme` command is highlighted with a white box.

02

Level 1 - 2

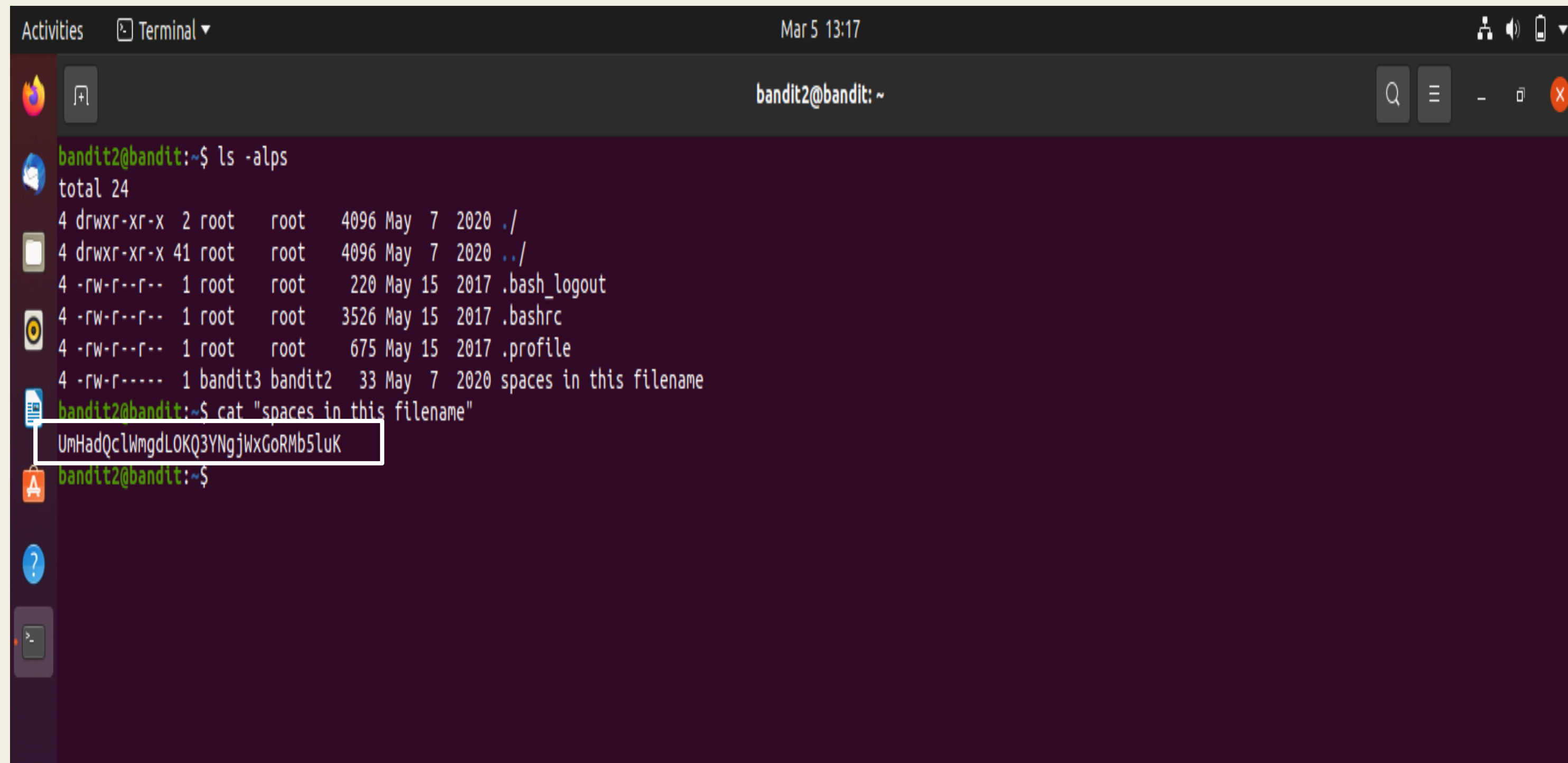
CV1DtqXWVFXTvM2F0K0SHz0YwRINYA9

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

03

Level 2 – 3

UmHadQclWmgdLOKQ3YNgjWxGoRMb5luk



A terminal window titled "bandit2@bandit: ~" showing the execution of two commands. The first command, `ls -alps`, lists files in the current directory, including a file named "spaces in this filename". The second command, `cat "spaces in this filename"`, displays the contents of that file, which is the password "UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK".

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

04

Level 3 – 4

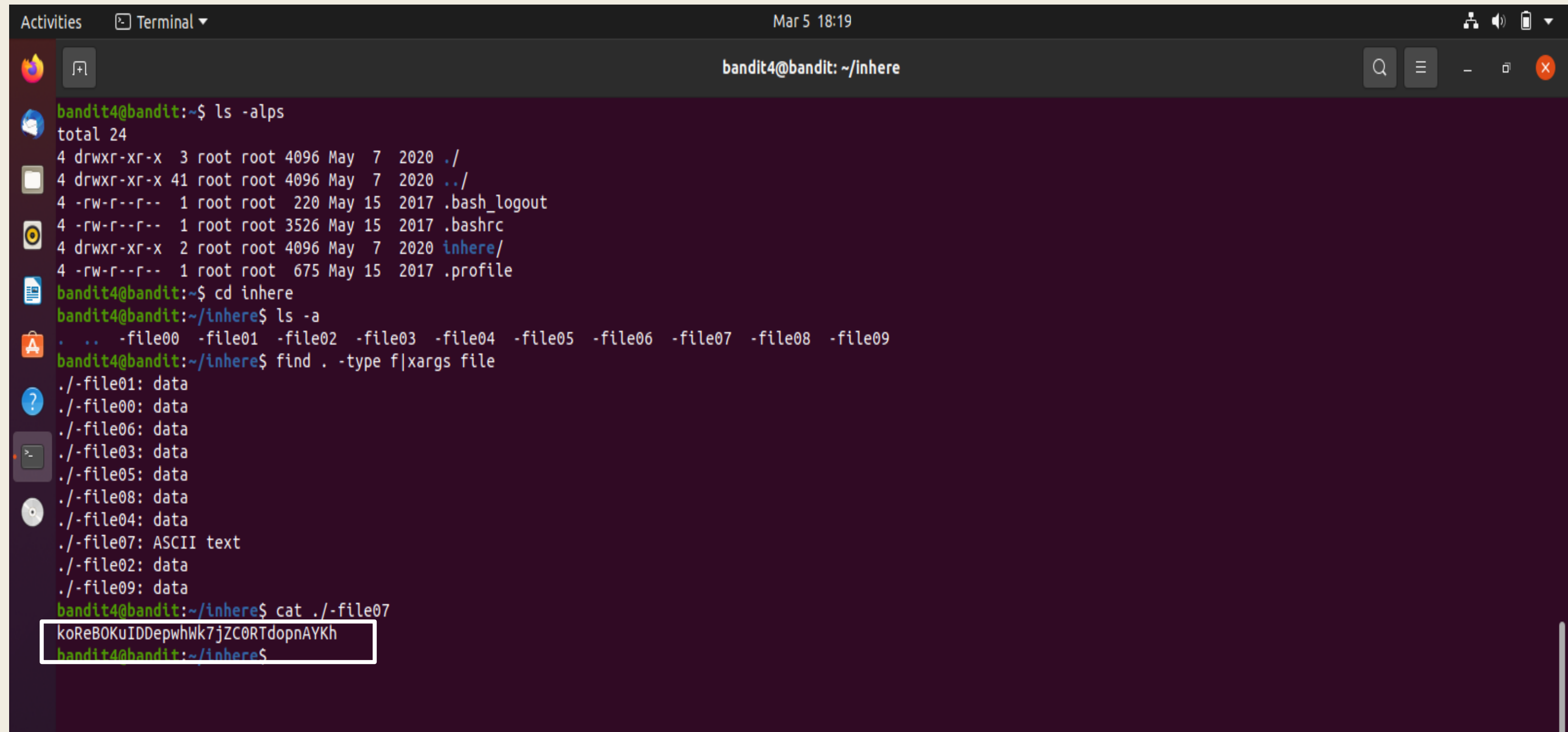
pIwrPrtpN36QITSp3EQaw936yaFoFgAB

```
bandit3@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  3 root root 4096 May  7  2020 ./
4 drwxr-xr-x 41 root root 4096 May  7  2020 ../
4 -rw-r--r--  1 root root  220 May 15  2017 .bash_logout
4 -rw-r--r--  1 root root 3526 May 15  2017 .bashrc
4 drwxr-xr-x  2 root root 4096 May  7  2020 inhere/
4 -rw-r--r--  1 root root  675 May 15  2017 .profile
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -alps
total 12
4 drwxr-xr-x 2 root  root  4096 May  7  2020 ./
4 drwxr-xr-x 3 root  root  4096 May  7  2020 ../
4 -rw-r----- 1 bandit4 bandit3  33 May  7  2020 .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtpN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$
```

05

Level 4 – 5

koReBOKuIDDepwhWk7jZC0RTdopnA YKh

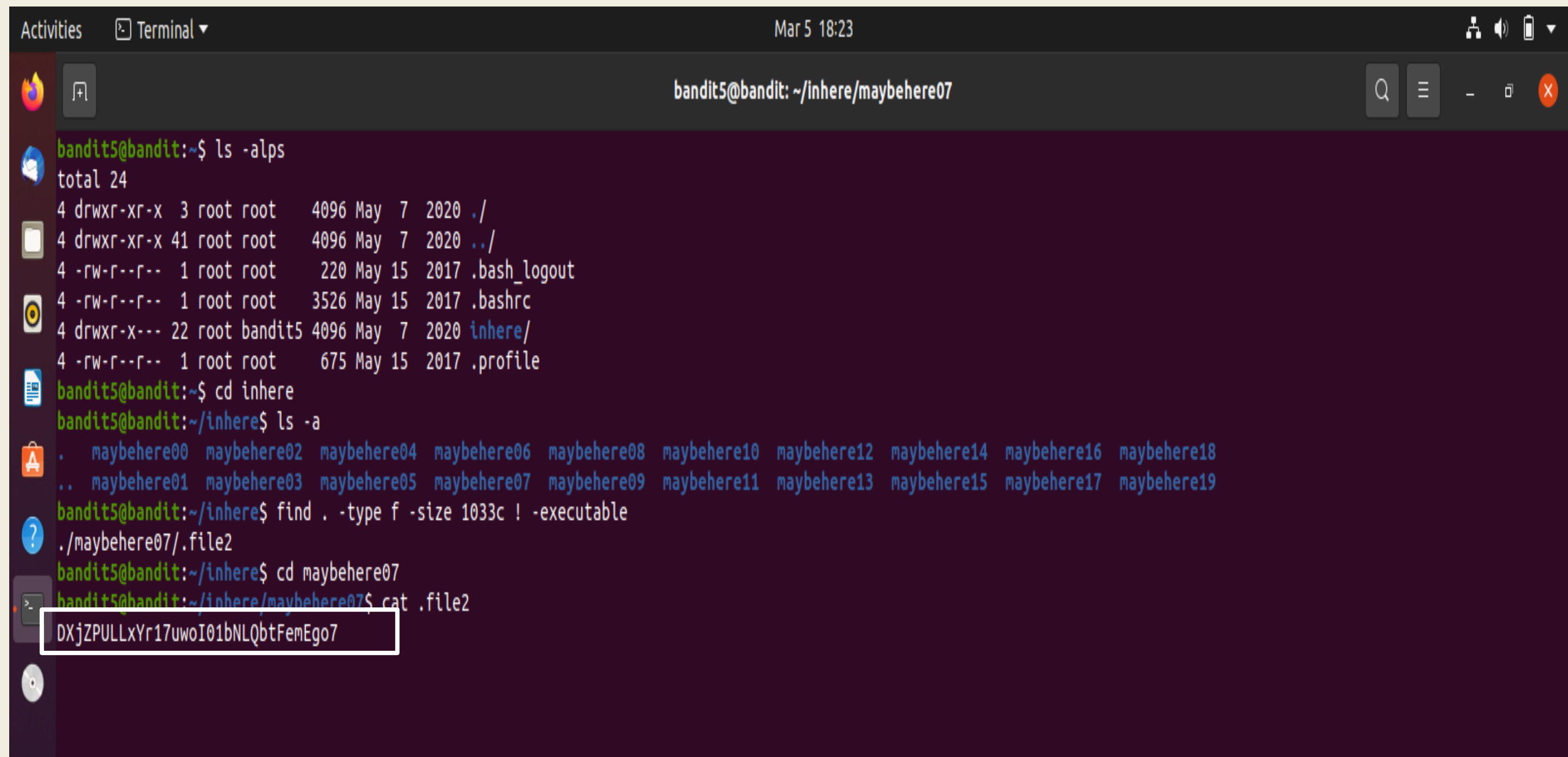


```
bandit4@bandit: ~$ ls -alps
total 24
4 drwxr-xr-x 3 root root 4096 May  7 2020 ./
4 drwxr-xr-x 41 root root 4096 May  7 2020 ../
4 -rw-r--r-- 1 root root  220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 drwxr-xr-x 2 root root 4096 May  7 2020 inhere/
4 -rw-r--r-- 1 root root  675 May 15 2017 .profile
bandit4@bandit: ~$ cd inhere
bandit4@bandit: ~/inhere$ ls -la
.  .. -file00 -file01 -file02 -file03 -file04 -file05 -file06 -file07 -file08 -file09
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
koReBOKuIDDepwhWk7jZC0RTdopnA YKh
bandit4@bandit: ~/inhere$
```


06

Level 5 - 6

DXjZPULLxYr17uwoI01bNLQbtFemEgo7



```
Activities Terminal Mar 5 18:23
bandit5@bandit: ~/inhere/maybehere07
bandit5@bandit:~$ ls -alps
total 24
4 drwxr-xr-x 3 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 drwxr-x--- 22 root bandit5 4096 May 7 2020 inhere/
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ ls -a
. maybehere00 maybehere02 maybehere04 maybehere06 maybehere08 maybehere10 maybehere12 maybehere14 maybehere16 maybehere18
.. maybehere01 maybehere03 maybehere05 maybehere07 maybehere09 maybehere11 maybehere13 maybehere15 maybehere17 maybehere19
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cd maybehere07
bandit5@bandit:~/inhere/maybehere07$ cat .file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```

07

Level 6 - 7

HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

```
Activities Terminal Mar 5 18:27
bandit6@bandit: ~
bandit6@bandit:~$ ls -alps
total 20
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit6@bandit:~$ find / -type f -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: '/home/bandit29-git': Permission denied
find: '/home/bandit31-git': Permission denied
find: '/lost+found': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/lvm/archive': Permission denied
find: '/etc/lvm/backup': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/proc/tty/driver': Permission denied
find: '/proc/14350/task/14350/fdinfo/6': No such file or directory
find: '/proc/14350/fdinfo/5': No such file or directory
find: '/cgroup2/csessions': Permission denied
find: '/boot/lost+found': Permission denied
find: '/tmp': Permission denied
find: '/run/lvm': Permission denied
find: '/run/screen/S-bandit1': Permission denied
find: '/run/screen/S-bandit10': Permission denied
find: '/run/screen/S-bandit29': Permission denied
find: '/run/screen/S-bandit25': Permission denied
find: '/run/screen/S-bandit30': Permission denied
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
```

```
Activities Terminal
find: '/tmp': Permission denied
find: '/run/lvm': Permission denied
find: '/run/screen/S-bandit1': Permission denied
find: '/run/screen/S-bandit10': Permission denied
find: '/run/screen/S-bandit29': Permission denied
find: '/run/screen/S-bandit25': Permission denied
find: '/run/screen/S-bandit30': Permission denied
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
bandit6@bandit:~$
```

08

Level 7 – 8

cvX2JJa4CFALtq587jk27qwqGhBM9plv

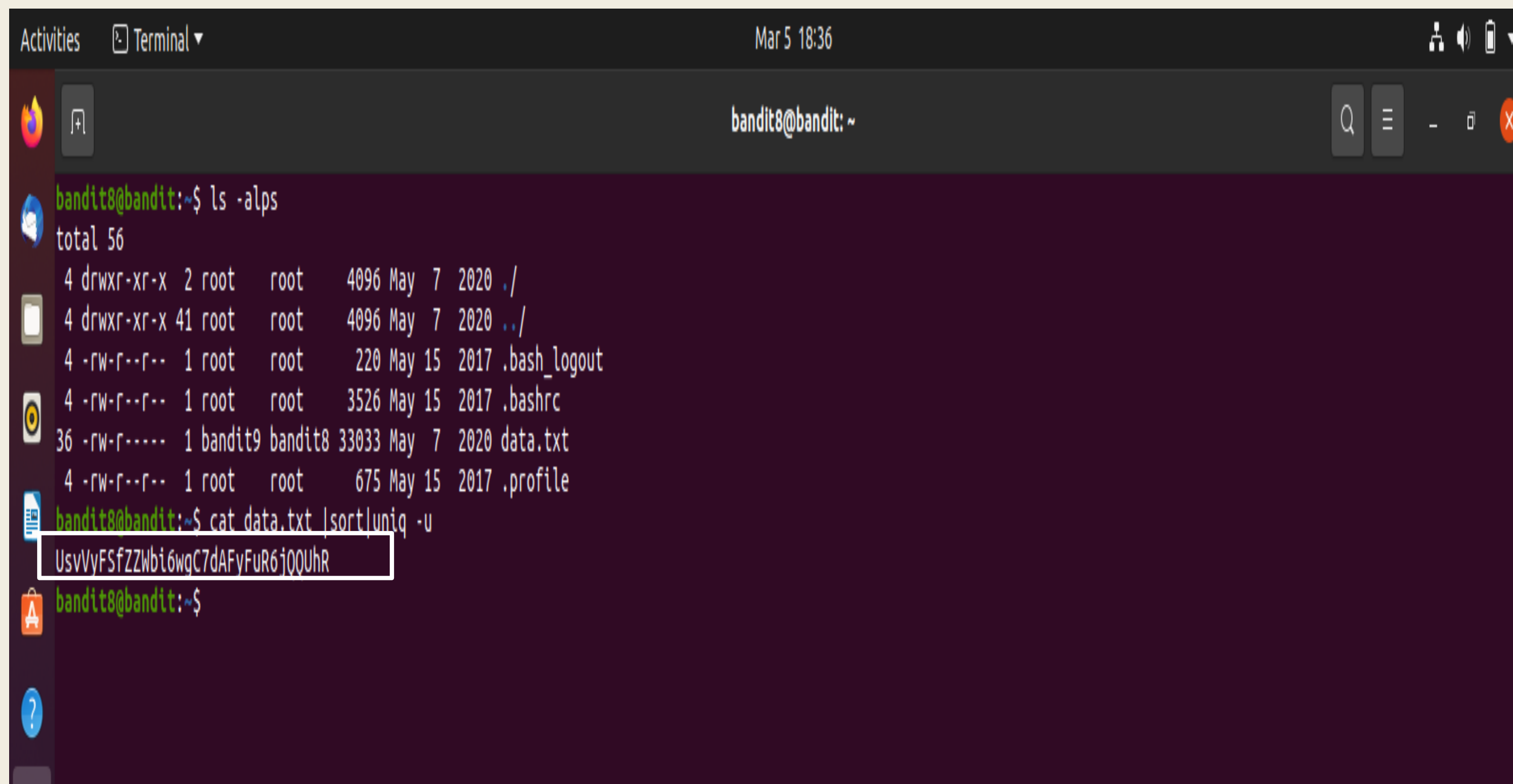
```
Activities Terminal Mar 5 18:33
bandit7@bandit: ~
bandit7@bandit:~$ ls -alps
total 4108
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4088 -rw-r----- 1 bandit8 bandit7 4184396 May 7 2020 data.txt
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit7@bandit:~$ cat data.txt
```

```
Activities Terminal Mar 5 18:31
bandit7@bandit: ~
Swift's Yb8oofacCaFdLNJqlKbwf0ej2M5bwBg
wrongheadedness's gjfU53A1Bf0iitkMov3rlgbRHq6MIhiq
scrutinizes Z76LPyf1l8HqhuJowIqY4ModCocDFOB9
refresher's dtfQgdVItYRi4Ufx4iD5YE0IZrmKnDcu
earthlings IhFcUS01RouQ8UG45WVUVsPDZkTr6wnJ
Hera's gAcRYahuux36Ac0jmG0gP4ulwKevvD3X
ferment's DTTiAltV7wmDYZoQ4MSm97bJdCmNkw2P
Anouilh MKKDDki6xvFcZsBxhWEXsfeMA00MoJaC
overabundance ES9eqyfmh8uB03XqT0AR7EKGgyCQ1IFk
complement's MCWy3WxEeWqckXZ5G4Sp950Y36l2F5fJ
grape g00pwTZt0lzUZ6sS3pijp0z709LAhPxu
Blaine k61rOI4u0D2PMEXLd2RDxQWIE8tACyst
canonization's 7ITrZvFVzsjujBHVlu4gfcHBw1gWQUcN
reserve AH03PedgUR05aCaQVGVFQRgY2oR1SBYh
Zanuck 30KRl0QjnCq5DyqNZEPHAD6tCZbVjT1f
baritone XSodKcCZa05cckLyP4uXwrjIVaCzKcpq
lineman's Gh8HTLmWxnXJxZF4DzhuIRpV8xejb6yw
aquas RkI4EWYAjHPMexRFTY9Rq7vQtjhiKgZw
swaddled snDpr6ve7nuPsjBoTGLrmpOYomdhVzAH
garishness's UbK1yZ2nC02GEjArLASLw0bT8jgOp9rx
Benny's QQkZrdiFs47KckVLI5ifsFqtLcRxyjvZ
regulated sxJ8HT73fvZMMIicL50nhawcrsYGUIWP
knotting vh268WJXw10Snszed9MVaHD4rTP69LZr
hymnals 7MqsN32lfDbPigtAX6cwFbMZcPAMUoae
Fremont tCy02wC8xdpFqjlZ8xdBQYAHFZPHk7ls
punter's zAfzaA1IOuBSamCR6eMmRoc9oNXPQ16a
junking 6Tlr5K8YZ1d2XsdKu3TTFYXWB6WOMxyT
Aymara zSeUS0UyD8Q6a6YPwacLRBbk1x8kFBEC
waned gL59r6xvewh5y8t0mgiNtHtCUMG8S6Id
conceded TWLUptX3HbwD4qsYOQ9sENOn0iNy79sc
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:~$ strings data.txt | grep millionth
millionth cvX2JJa4CFALtq587jk27qwqGhBM9plv
bandit7@bandit:~$
```


09

Level 8–9

UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR



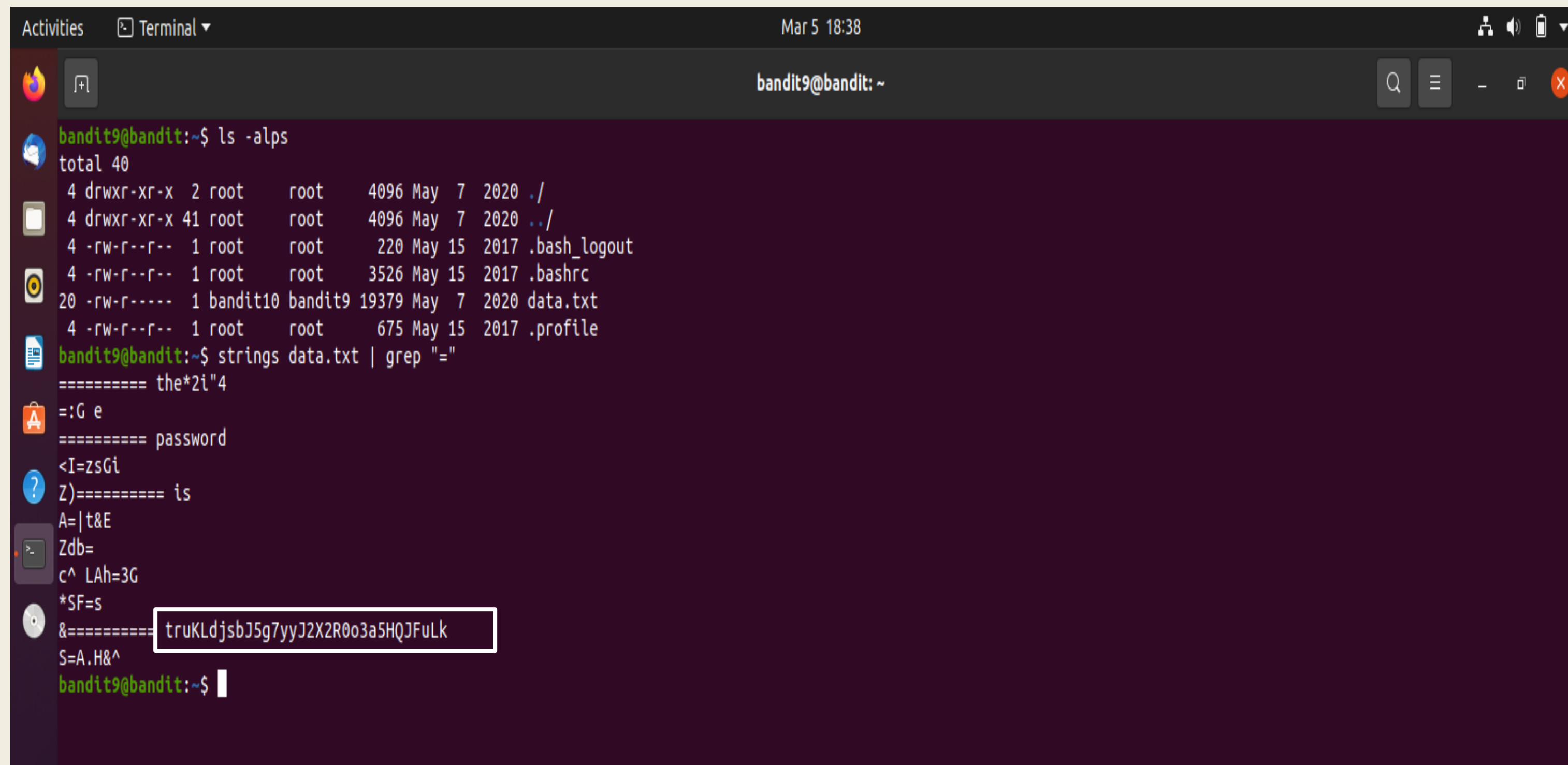
A terminal window titled "Terminal" with a dark background. The prompt is "bandit8@bandit: ~". The user runs the command "ls -alps", which lists files in the current directory. The output shows several files, including ".data.txt" owned by "bandit9 bandit8". The user then runs the command "cat data.txt | sort | uniq -u", which outputs the flag "UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR". The flag is highlighted with a white box. The terminal window has a top bar with "Activities", "Terminal", and the date "Mar 5 18:36". The left sidebar shows various application icons.

```
bandit8@bandit:~$ ls -alps
total 56
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
36 -rw-r----- 1 bandit9 bandit8 33033 May 7 2020 data.txt
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit8@bandit:~$ cat data.txt | sort | uniq -u
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
bandit8@bandit:~$
```

10

Level 9 – 10

trukLdjsbJ5g7yyJ2X2R0o3a5HqJFuLk



A terminal window titled "bandit9@bandit: ~" showing the following commands and output:

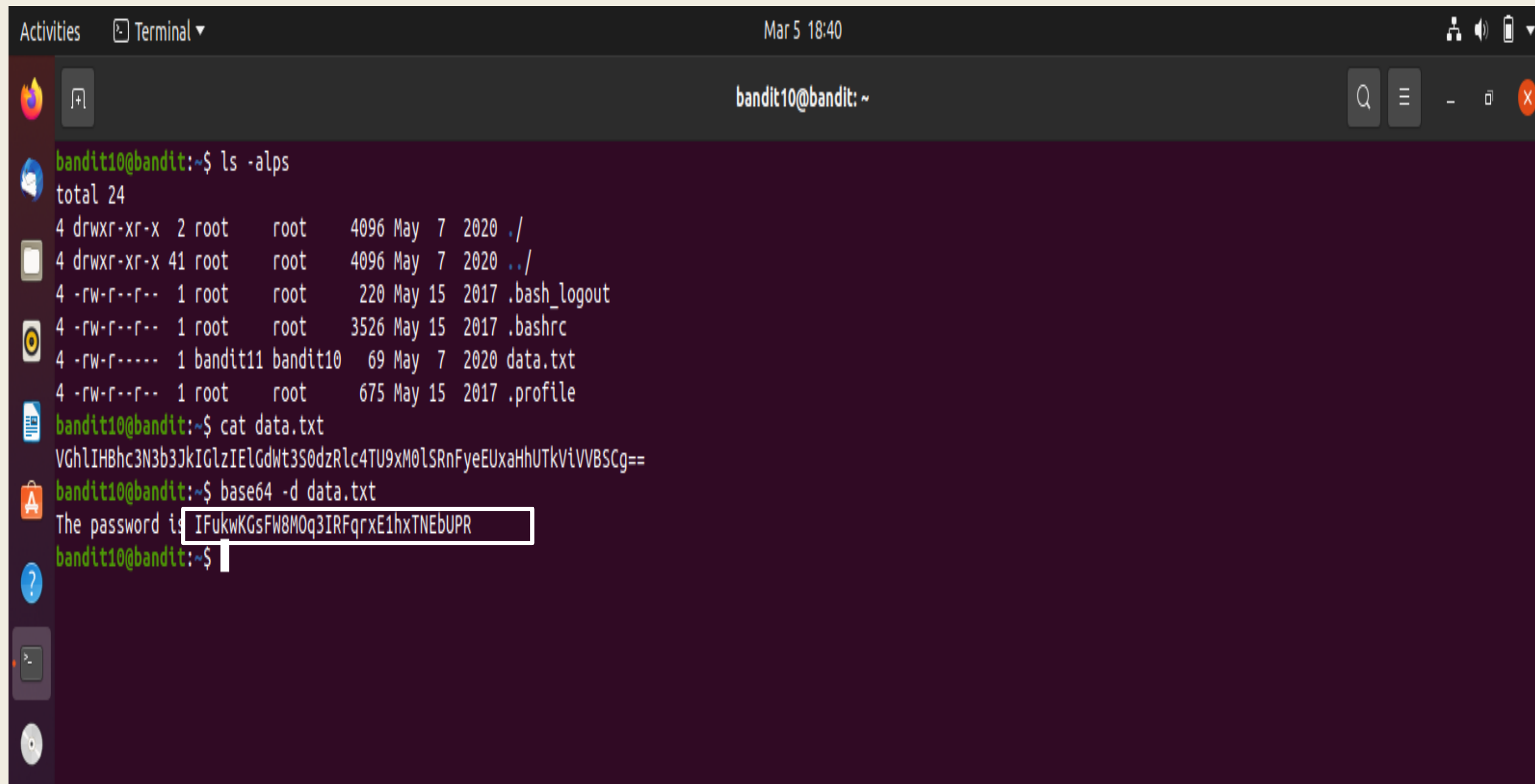
```
bandit9@bandit:~$ ls -alps
total 40
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
20 -rw-r----- 1 bandit10 bandit9 19379 May 7 2020 data.txt
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
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:~$
```

The password `trukLdjsbJ5g7yyJ2X2R0o3a5HqJFuLk` is highlighted in a box.

11

Level 10 – 11

IFukwKGsFW8M0q3IRFqrxE1hxTNEbUPR



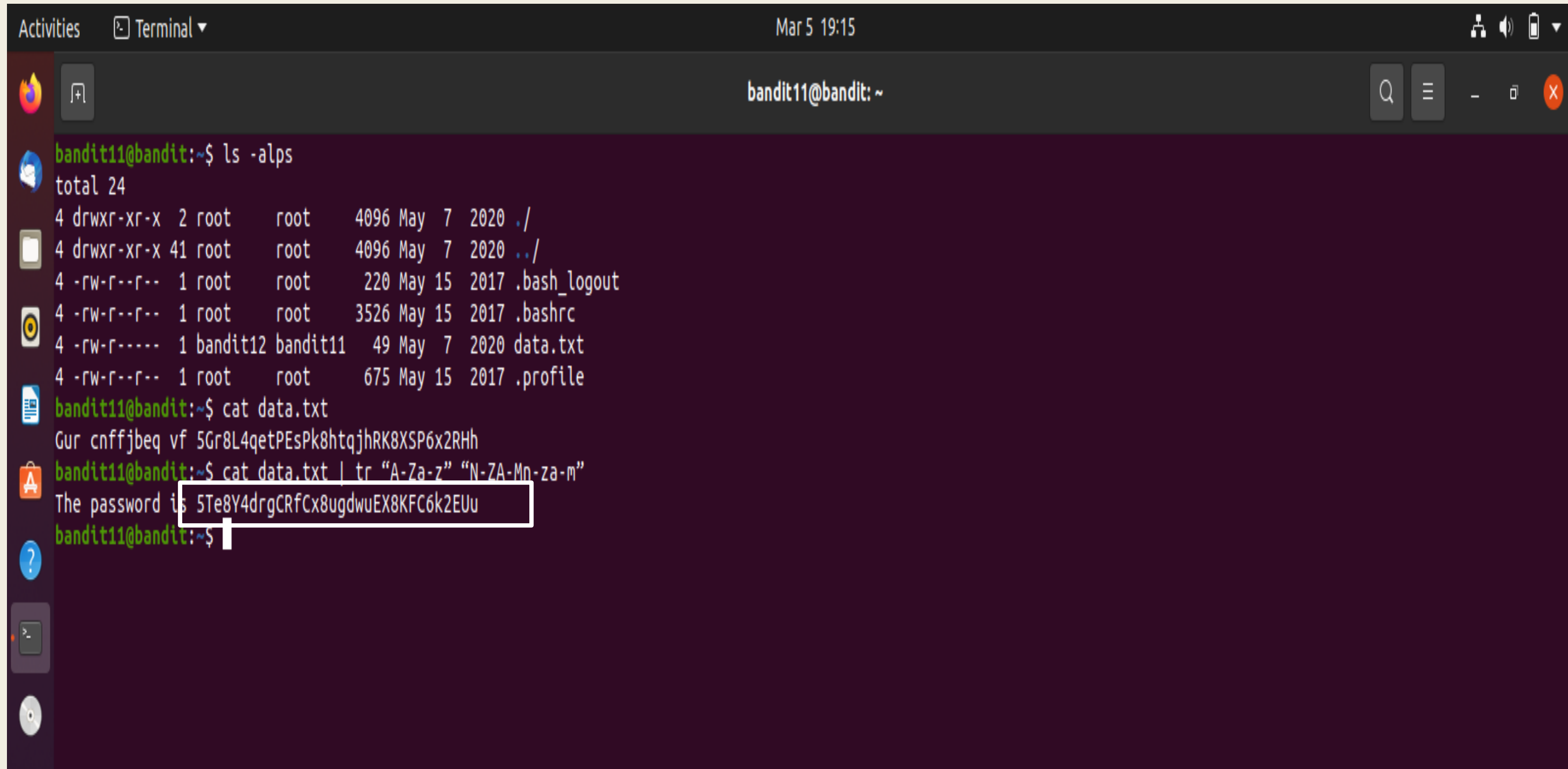
A terminal window titled "bandit10@bandit: ~" showing the following commands and output:

```
bandit10@bandit:~$ ls -alps
total 24
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 -rw-r----- 1 bandit11 bandit10 69 May 7 2020 data.txt
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit10@bandit:~$ cat data.txt
VGhlIH8hc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8M0q3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$
```

12

Level 11 – 12

5Te8Y4drgCRfCx8ugdwwuEX8KFC6k2EUu



```
bandit11@bandit:~$ ls -alps
total 24
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 -rw-r----- 1 bandit12 bandit11 49 May 7 2020 data.txt
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
bandit11@bandit:~$ cat data.txt | tr "A-Za-z" "N-ZA-Mn-za-m"
The password is 5Te8Y4drgCRfCx8ugdwwuEX8KFC6k2EUu
bandit11@bandit:~$
```

13 Level 12 – 13

8ZjyCRiBWFYkneahHwxCv3wbZa1ORPYL

```
Activities Terminal Mar 5 19:49
bandit12@bandit: /tmp/pass12

bandit12@bandit:~$ ls -alps
total 24
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 -rw-r----- 1 bandit13 bandit12 2582 May 7 2020 data.txt
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile

bandit12@bandit:~$ mkdir /tmp/pass12
bandit12@bandit:~$ cp data.txt /tmp/pass12
bandit12@bandit:~$ cd /tmp/pass12
bandit12@bandit:/tmp/pass12$ ls
data.txt
bandit12@bandit:/tmp/pass12$ xxd -r data.txt > data
bandit12@bandit:/tmp/pass12$ ls
data data.txt
bandit12@bandit:/tmp/pass12$ file data
data: gzip compressed data, was "data2.bin", last modified: Thu May 7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/pass12$ mv data p12.gz
bandit12@bandit:/tmp/pass12$ gzip -d p12.gz
bandit12@bandit:/tmp/pass12$ ls
data.txt p12
bandit12@bandit:/tmp/pass12$ file p12
p12: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/pass12$ mv p12 p12.bz2
bandit12@bandit:/tmp/pass12$ bzip2 -d p12.bz2
bandit12@bandit:/tmp/pass12$ ls
data.txt p12
bandit12@bandit:/tmp/pass12$ file p12
p12: gzip compressed data, was "data4.bin", last modified: Thu May 7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/pass12$ mv p12 p12.gz
bandit12@bandit:/tmp/pass12$ gzip -d p12.gz
bandit12@bandit:/tmp/pass12$ ls
data.txt p12
bandit12@bandit:/tmp/pass12$ file p12
p12: POSIX tar archive (GNU)
bandit12@bandit:/tmp/pass12$ mv p12 p12.tar
bandit12@bandit:/tmp/pass12$ tar xf p12.tar
bandit12@bandit:/tmp/pass12$ ls
data5.bin data.txt p12.tar
bandit12@bandit:/tmp/pass12$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/pass12$ rm p12.tar
bandit12@bandit:/tmp/pass12$ rm data.txt
bandit12@bandit:/tmp/pass12$ ls
data5.bin
bandit12@bandit:/tmp/pass12$ mv data5.bin p12.tar
bandit12@bandit:/tmp/pass12$ tar xf p12.tar
bandit12@bandit:/tmp/pass12$ ls
data6.bin p12.tar
bandit12@bandit:/tmp/pass12$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/pass12$ rm p12.tar
bandit12@bandit:/tmp/pass12$ mv data6.bin p12.bz2
bandit12@bandit:/tmp/pass12$ bzip2 -d p12.bz2
bandit12@bandit:/tmp/pass12$ ls
p12
bandit12@bandit:/tmp/pass12$ file p12
p12: POSIX tar archive (GNU)
bandit12@bandit:/tmp/pass12$ mv p12 p12.tar
bandit12@bandit:/tmp/pass12$ tar xf p12.tar
bandit12@bandit:/tmp/pass12$ ls
data8.bin p12.tar
bandit12@bandit:/tmp/pass12$ 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/pass12$ rm p12.tar
bandit12@bandit:/tmp/pass12$ mv data8.bin p12.gz
bandit12@bandit:/tmp/pass12$ gzip -d p12.gz
bandit12@bandit:/tmp/pass12$ ls
p12
bandit12@bandit:/tmp/pass12$ file p12
p12: ASCII text
bandit12@bandit:/tmp/pass12$ cat p12
The password is 8ZjyCRiBWFYkneahHwxCv3wbZa1ORPYL
bandit12@bandit:/tmp/pass12$
```

```
Activities Terminal Mar 5 19:50
bandit12@bandit: /tmp/pass12

bandit12@bandit:/tmp/pass12$ mv p12 p12.gz
bandit12@bandit:/tmp/pass12$ gzip -d p12.gz
bandit12@bandit:/tmp/pass12$ ls
data.txt p12
bandit12@bandit:/tmp/pass12$ file p12
p12: POSIX tar archive (GNU)
bandit12@bandit:/tmp/pass12$ mv p12 p12.tar
bandit12@bandit:/tmp/pass12$ tar xf p12.tar
bandit12@bandit:/tmp/pass12$ ls
data5.bin data.txt p12.tar
bandit12@bandit:/tmp/pass12$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/pass12$ rm p12.tar
bandit12@bandit:/tmp/pass12$ rm data.txt
bandit12@bandit:/tmp/pass12$ ls
data5.bin
bandit12@bandit:/tmp/pass12$ mv data5.bin p12.tar
bandit12@bandit:/tmp/pass12$ tar xf p12.tar
bandit12@bandit:/tmp/pass12$ ls
data6.bin p12.tar
bandit12@bandit:/tmp/pass12$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/pass12$ rm p12.tar
bandit12@bandit:/tmp/pass12$ mv data6.bin p12.bz2
bandit12@bandit:/tmp/pass12$ bzip2 -d p12.bz2
bandit12@bandit:/tmp/pass12$ ls
p12
bandit12@bandit:/tmp/pass12$ file p12
p12: POSIX tar archive (GNU)
bandit12@bandit:/tmp/pass12$ mv p12 p12.tar
bandit12@bandit:/tmp/pass12$ tar xf p12.tar
bandit12@bandit:/tmp/pass12$ ls
data8.bin p12.tar
bandit12@bandit:/tmp/pass12$ 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/pass12$ rm p12.tar
bandit12@bandit:/tmp/pass12$ mv data8.bin p12.gz
bandit12@bandit:/tmp/pass12$ gzip -d p12.gz
bandit12@bandit:/tmp/pass12$ ls
p12
bandit12@bandit:/tmp/pass12$ file p12
p12: ASCII text
bandit12@bandit:/tmp/pass12$ cat p12
The password is 8ZjyCRiBWFYkneahHwxCv3wbZa1ORPYL
bandit12@bandit:/tmp/pass12$
```


14 Level 13 - 14



Activities Terminal Mar 5 19:54 bandit14@bandit: ~

```
bandit13@bandit:~$ ls
sshkey.private
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 SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
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).
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

      .--.  .--.  .--.
     /  /  /  /  /  /
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/  /  /  /  /  /
www. ver he "ire.org

Welcome to OverTheWire!

If you find any problems, please report them to Steven or morla on
irc.overthewire.org.

--[ Playing the games ]--

This machine might hold several wargames.
If you are playing "somegame", then:

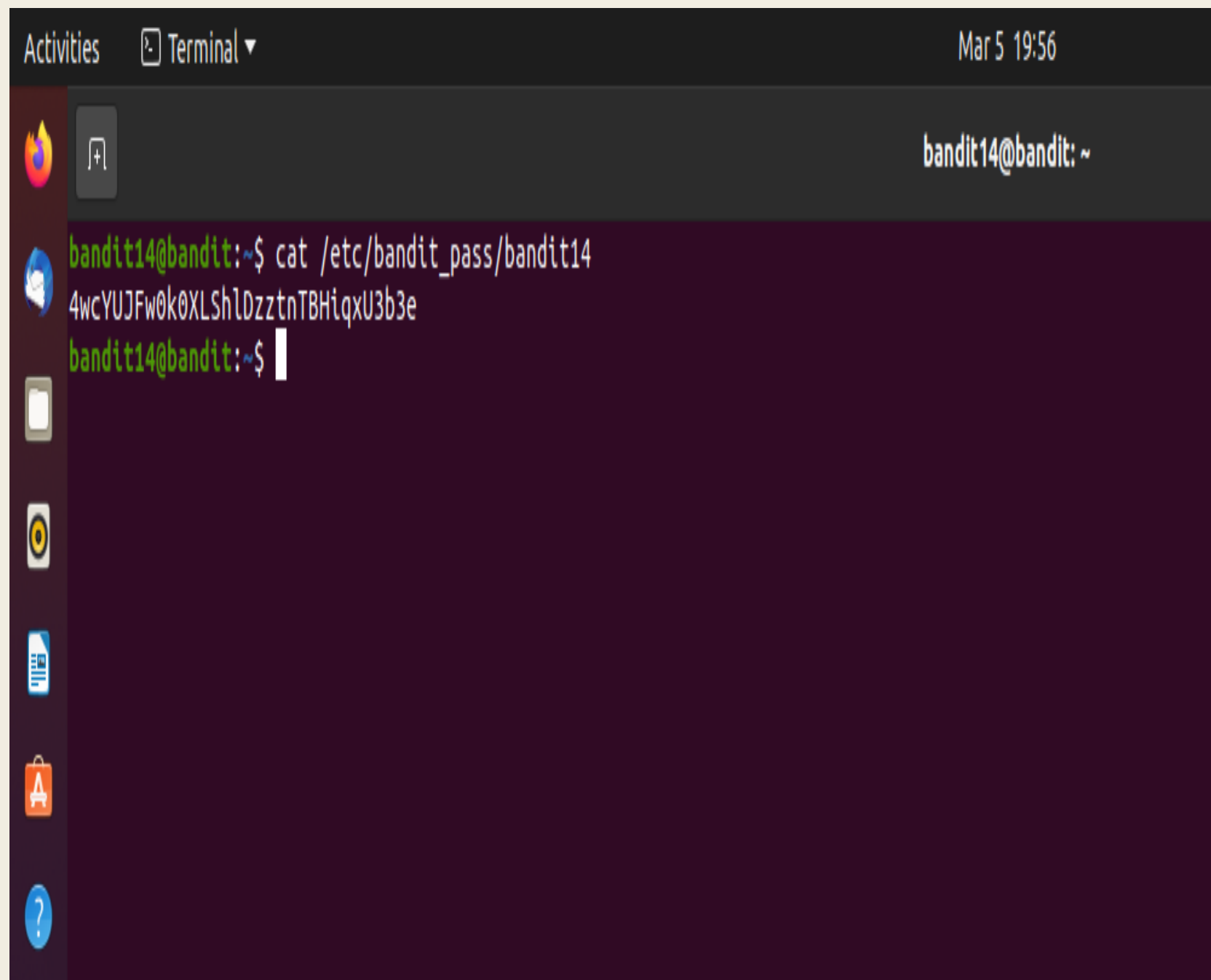
* USERNAMES are somegame0, somegame1, ...
* Most LEVELS are stored in /somegame/.
* PASSWORDS for each level are stored in /etc/somegame_pass/.

Write-access to homedirectories is disabled. It is advised to create a
working directory with a hard-to-guess name in /tmp/. You can use the
command "mktemp -d" in order to generate a random and hard to guess
directory in /tmp/. Read-access to both /tmp/ and /proc/ is disabled
so that users can not snoop on eachother. Files and directories with
```

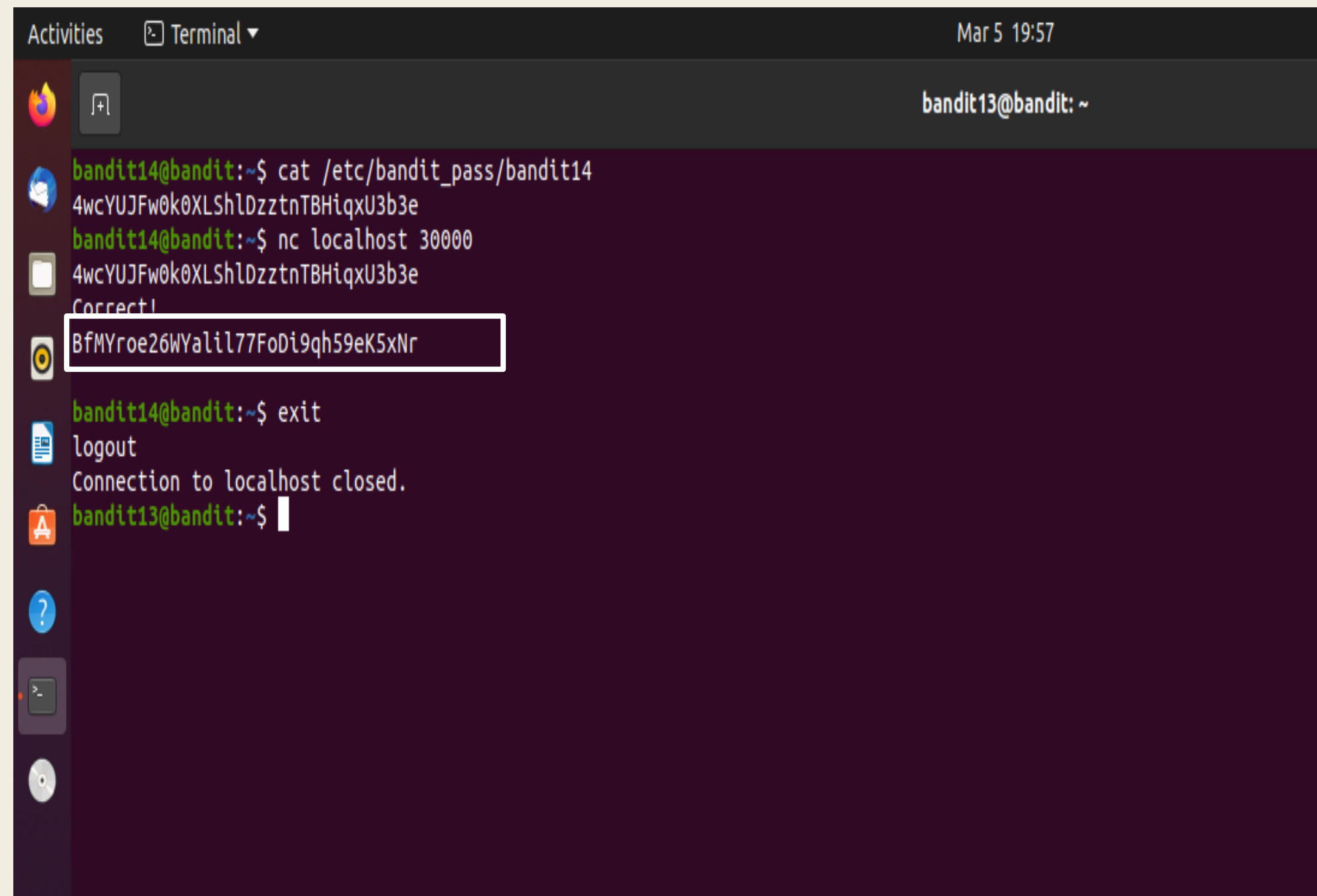
15

Level 14 - 15

BfMYroe26WYali177FoDi9qh59eK5xNr



```
Activities Terminal Mar 5 19:56
bandit14@bandit: ~
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
bandit14@bandit:~$
```

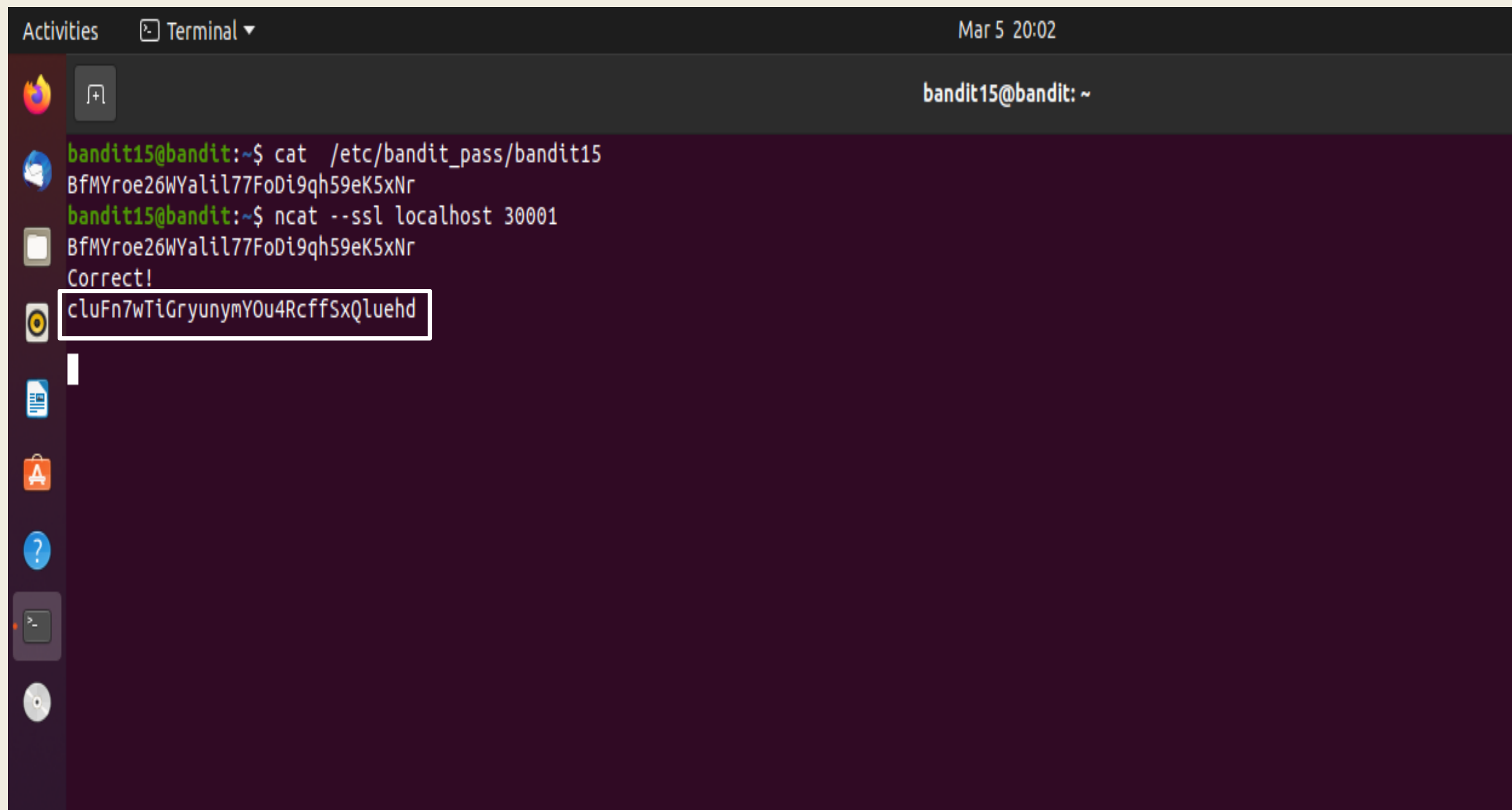


```
Activities Terminal Mar 5 19:57
bandit13@bandit: ~
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
bandit14@bandit:~$ nc localhost 30000
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
Correct!
BfMYroe26WYali177FoDi9qh59eK5xNr
bandit14@bandit:~$ exit
logout
Connection to localhost closed.
bandit13@bandit:~$
```

16

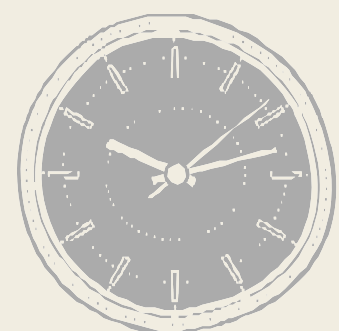
Level 15 – 16

cluFn7wTiGryunymYOu4RcffSxQluehd



A terminal window titled "Terminal" with a timestamp of "Mar 5 20:02". The window shows the user "bandit15@bandit: ~". The user runs the command `cat /etc/bandit_pass/bandit15`, which outputs the password `BfMYroe26WYalil77FoDi9qh59eK5xNr`. Then, the user runs `ncat --ssl localhost 30001`, which also outputs the password `BfMYroe26WYalil77FoDi9qh59eK5xNr` and then `Correct!`. The password `cluFn7wTiGryunymYOu4RcffSxQluehd` is entered and highlighted with a white box.

```
bandit15@bandit:~$ cat /etc/bandit_pass/bandit15
BfMYroe26WYalil77FoDi9qh59eK5xNr
bandit15@bandit:~$ ncat --ssl localhost 30001
BfMYroe26WYalil77FoDi9qh59eK5xNr
Correct!
cluFn7wTiGryunymYOu4RcffSxQluehd
```



**THANK
YOU!**