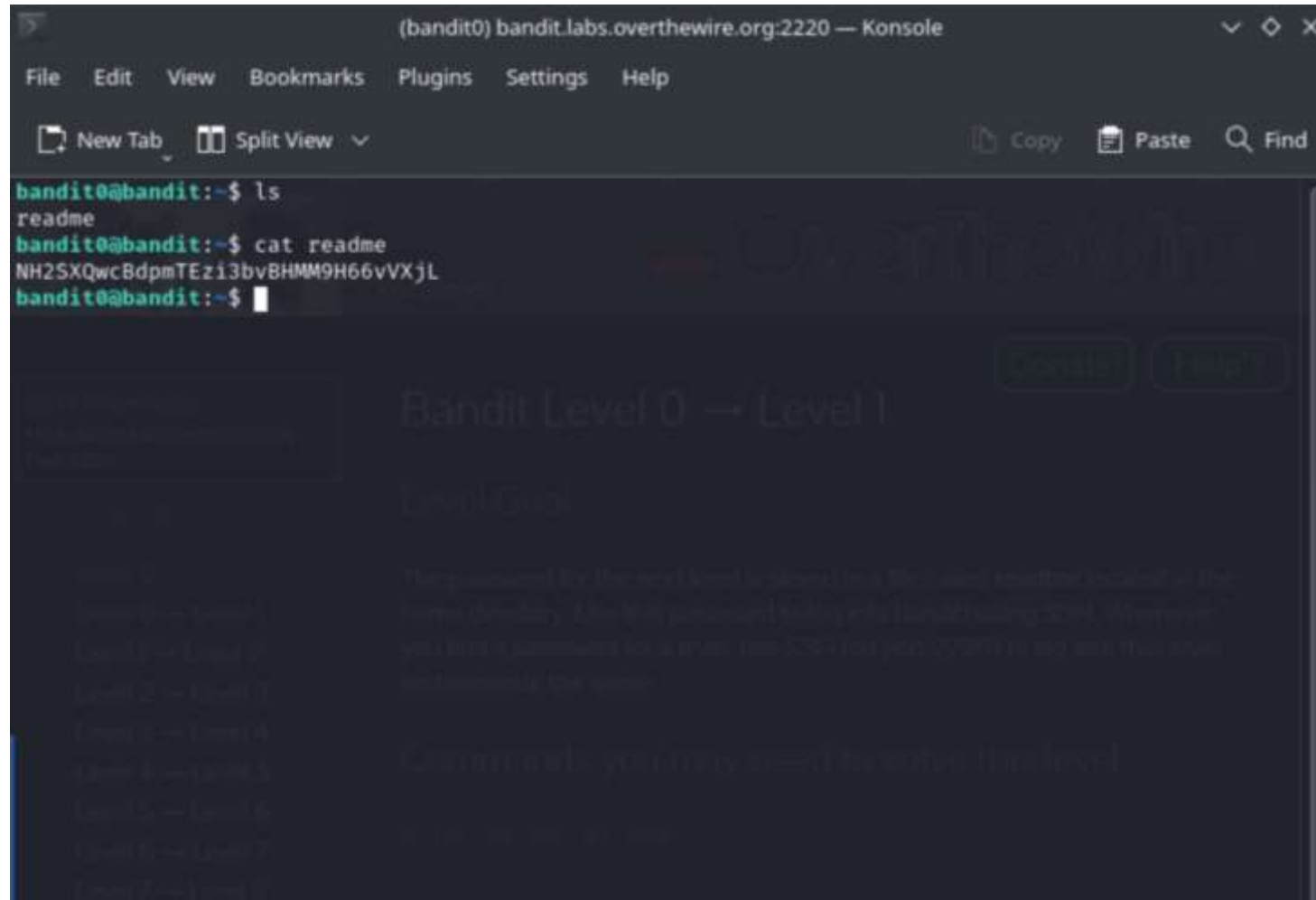


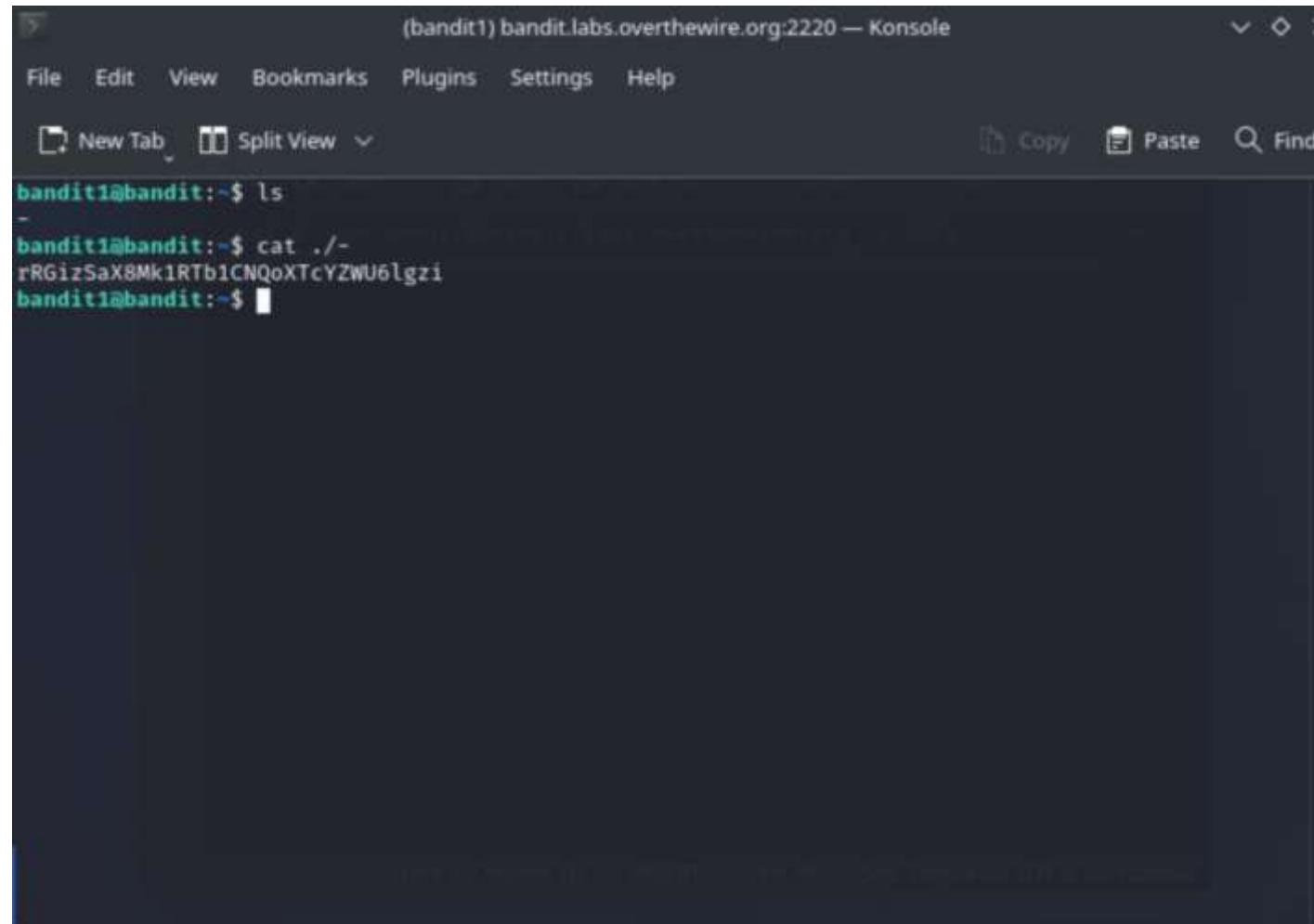
# LEVEL 0

```
(bandit0) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
bandit0@bandit:~$
```



The screenshot shows a terminal window titled "(bandit0) bandit.labs.overthewire.org:2220 — Konsole". The terminal output shows the command "cat readme" and the resulting password "NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL". The background shows the OverTheWire Bandit Level 0 to Level 1 page, which includes a "Level Goal" section and a "Commands you may need to solve this level" section.

# LEVEL 1

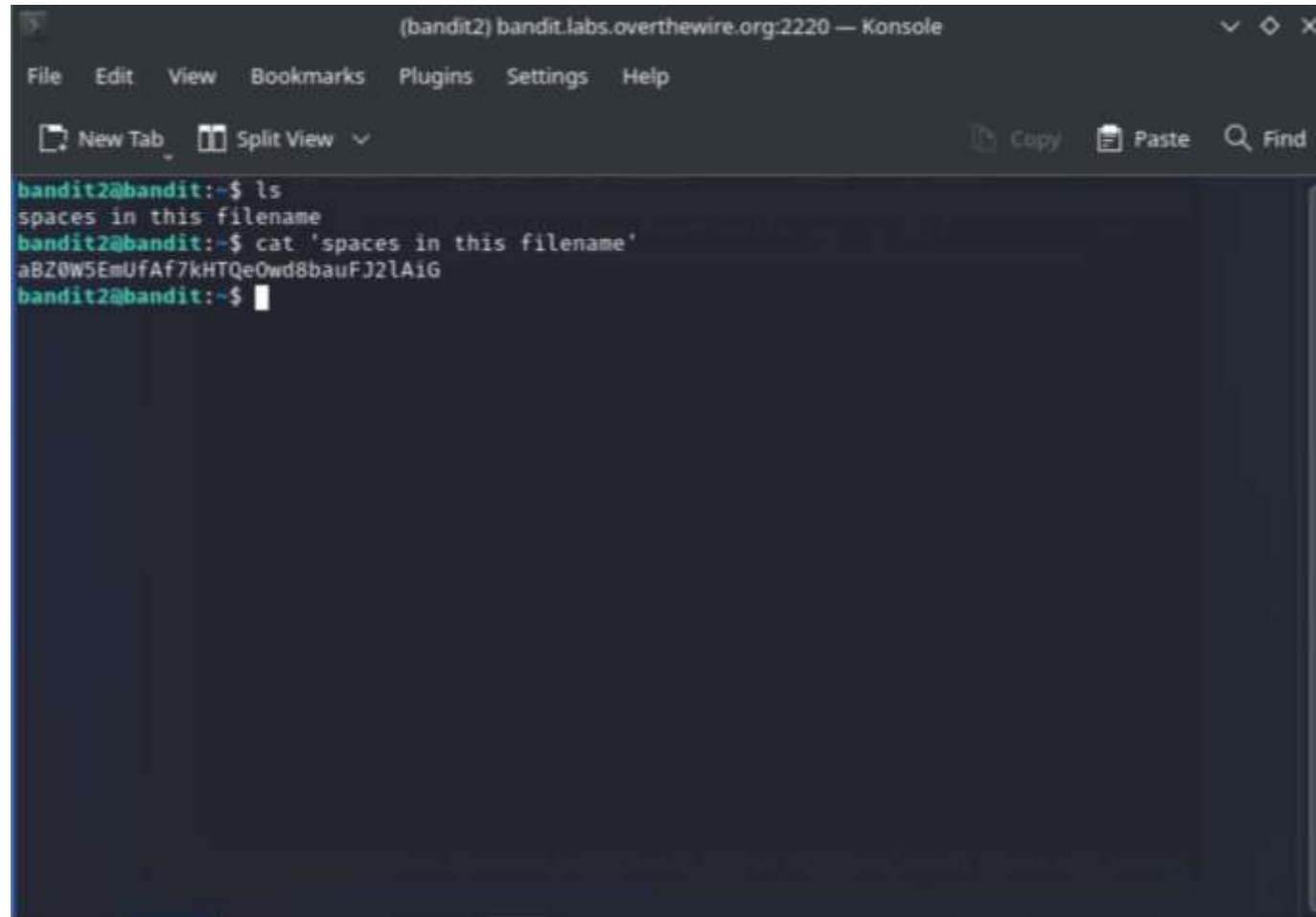


The screenshot shows a terminal window titled "(bandit1) bandit.labs.overthewire.org:2220 — Konsole". The terminal interface includes a menu bar with "File", "Edit", "View", "Bookmarks", "Plugins", "Settings", and "Help". Below the menu bar is a toolbar with "New Tab", "Split View", "Copy", "Paste", and "Find" options. The terminal content shows the following commands and output:

```
bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat ./-
rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
bandit1@bandit:~$
```

The output of the `cat ./-` command is the flag `rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi`.

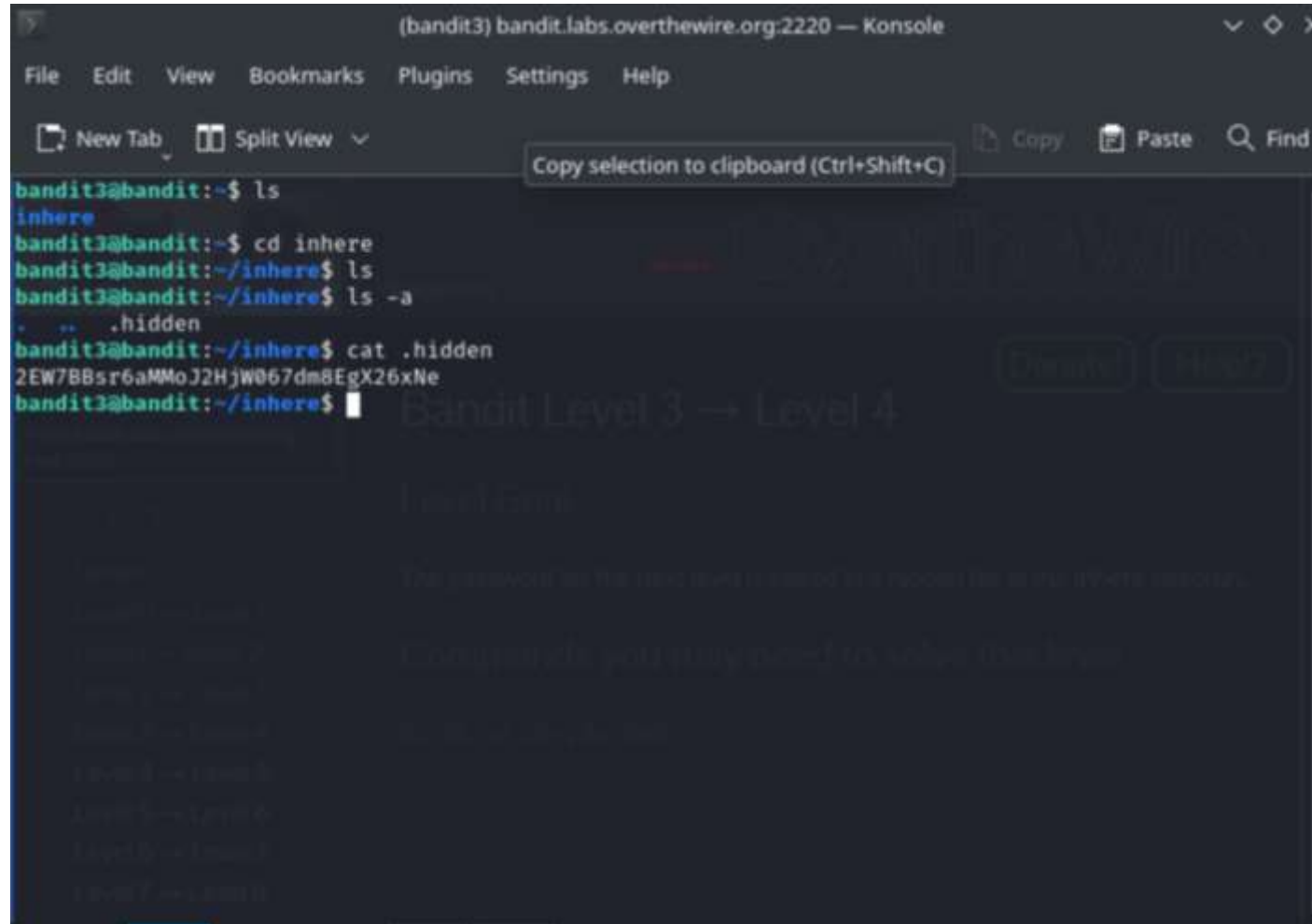
# LEVEL 2



The screenshot shows a terminal window titled "(bandit2) bandit.labs.overthewire.org:2220 — Konsole". The terminal has a menu bar with "File", "Edit", "View", "Bookmarks", "Plugins", "Settings", and "Help". Below the menu bar are icons for "New Tab", "Split View", "Copy", "Paste", and "Find". The terminal output shows the following commands and results:

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat 'spaces in this filename'
aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG
bandit2@bandit:~$
```

# LEVEL 3

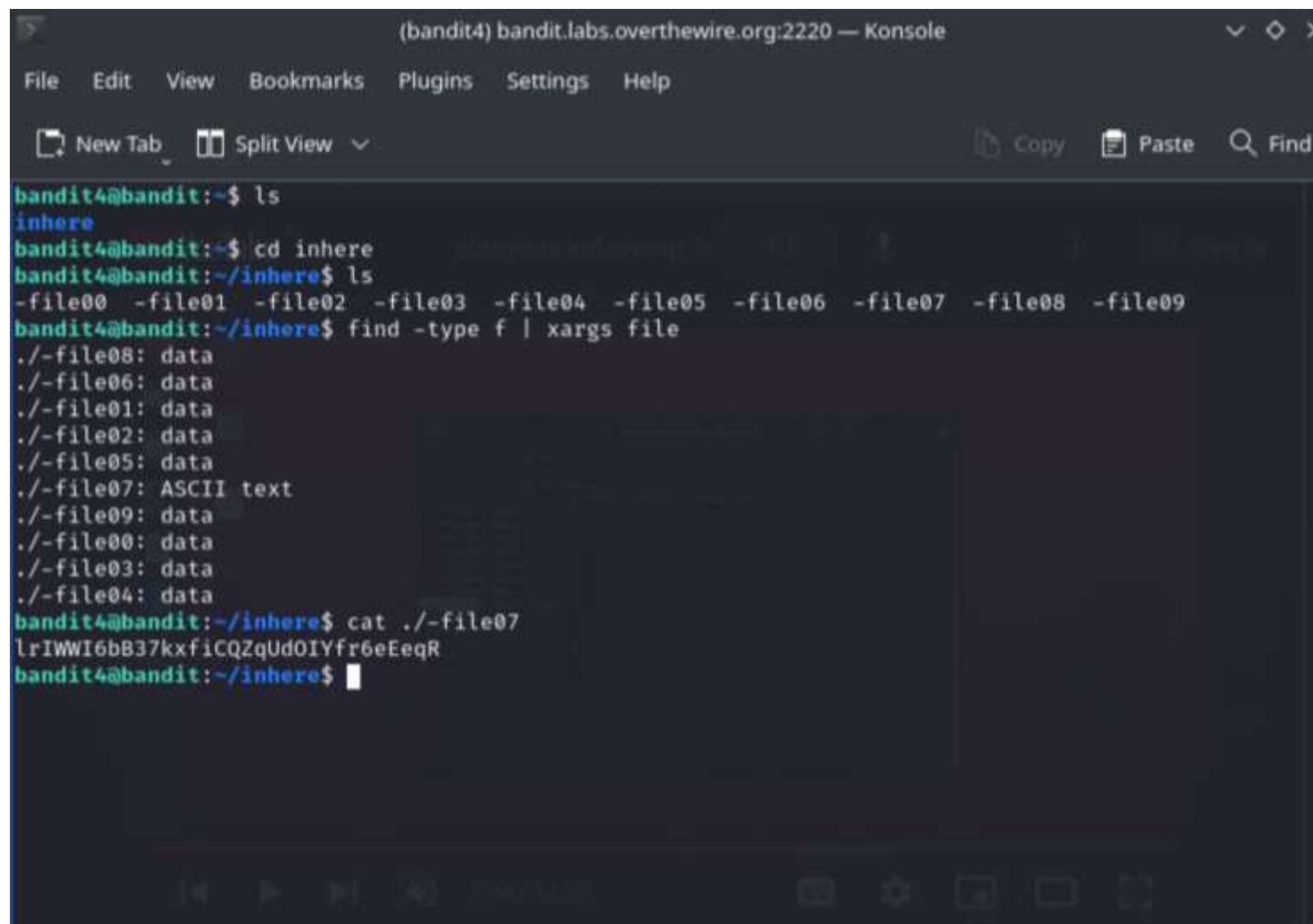


The screenshot shows a terminal window titled "(bandit3) bandit.labs.overthewire.org:2220 — Konsole". The terminal output is as follows:

```
bandit3@bandit:~$ ls
inhere
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls
bandit3@bandit:~/inhere$ ls -la
.  ..  .hidden
bandit3@bandit:~/inhere$ cat .hidden
2EW7BBSr6aMMoJ2HjW067dm8EgX26xNe
bandit3@bandit:~/inhere$
```

After the command, the terminal displays a large, semi-transparent watermark that reads "Bandit Level 3 → Level 4". Below this, the text "Level 4" is visible, followed by a description: "The password for the next level is stored in a hidden file in this directory." and a hint: "Consider if you may need to solve this level."

# LEVEL 4



The screenshot shows a terminal window titled "(bandit4) bandit.labs.overthewire.org:2220 — Konsole". The terminal displays the following commands and output:

```
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$ find -type f | xargs file
./-file08: data
./-file06: data
./-file01: data
./-file02: data
./-file05: data
./-file07: ASCII text
./-file09: data
./-file00: data
./-file03: data
./-file04: data
bandit4@bandit:~/inhere$ cat ./-file07
lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR
bandit4@bandit:~/inhere$
```

The terminal window includes a menu bar with "File", "Edit", "View", "Bookmarks", "Plugins", "Settings", and "Help". Below the menu bar are buttons for "New Tab", "Split View", "Copy", "Paste", and "Find". At the bottom of the window, there are navigation icons for back, forward, and search.

# LEVEL 5

```
(bandit5) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find

bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ ls
maybehere00 maybehere03 maybehere06 maybehere09 maybehere12 maybehere15 maybehere18
maybehere01 maybehere04 maybehere07 maybehere10 maybehere13 maybehere16 maybehere19
maybehere02 maybehere05 maybehere08 maybehere11 maybehere14 maybehere17
bandit5@bandit:~/inhere$ find -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU

bandit5@bandit:~/inhere$
```

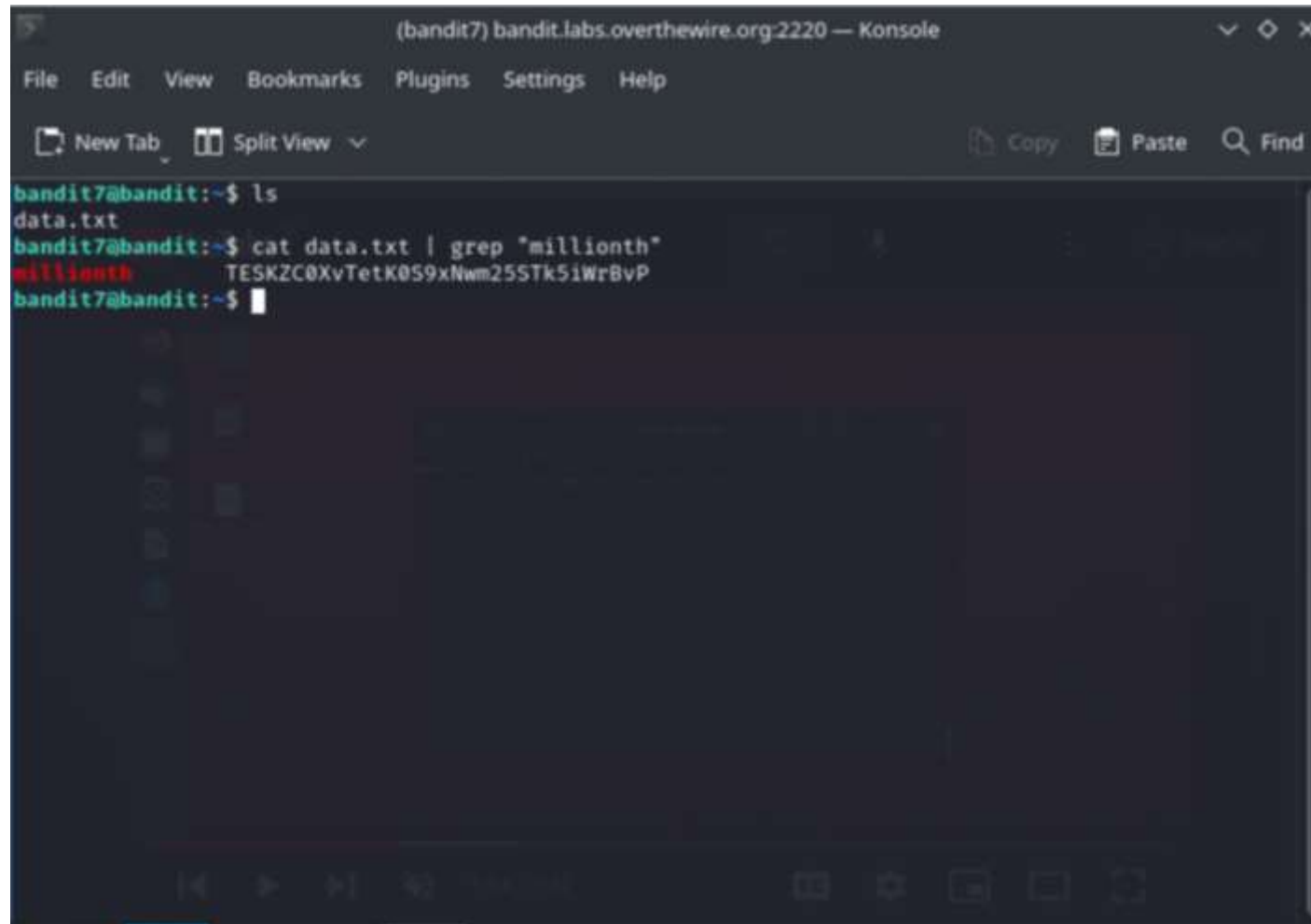
# LEVEL 6

```
(bandit6) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c
find: '/root': Permission denied
find: '/snap/core18/2632/etc/ssl/private': Permission denied
find: '/snap/core18/2632/root': Permission denied
find: '/snap/core18/2632/var/cache/ldconfig': Permission denied
find: '/snap/core18/2632/var/lib/private': Permission denied
find: '/snap/core20/1695/etc/ssl/private': Permission denied
find: '/snap/core20/1695/root': Permission denied
find: '/snap/core20/1695/var/cache/ldconfig': Permission denied
find: '/snap/core20/1695/var/cache/private': Permission denied
find: '/snap/core20/1695/var/lib/private': Permission denied
find: '/snap/core20/1695/var/lib/snapd/void': Permission denied
find: '/var/snap/lxd/common/lxd': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/lib/udisks2': Permission denied
find: '/var/lib/update-notifier/package-data-downloads/partial': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/lib/polkit-1': Permission denied
find: '/var/lib/chrony': Permission denied
find: '/var/lib/snapd/void': Permission denied
find: '/var/lib/snapd/cookie': Permission denied
find: '/var/lib/amazon': Permission denied
find: '/var/lib/private': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/tmp/systemd-private-00a4631d050544869af4085f3b03d707-systemd-resolved.service-8qlqoA': Permission denied
```

```
(bandit6) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
find: '/run/sudo': Permission denied
find: '/run/multipath': Permission denied
find: '/run/cryptsetup': Permission denied
find: '/run/lvm': Permission denied
find: '/run/credentials/systemd-sysusers.service': Permission denied
find: '/run/systemd/propagate': Permission denied
find: '/run/systemd/unit-root': Permission denied
find: '/run/systemd/inaccessible/dir': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/etc/sudoers.d': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/multipath': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/tmp': Permission denied
find: '/sys/kernel/tracing': Permission denied
find: '/sys/kernel/debug': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/sys/fs/bpf': Permission denied
find: '/proc/tty/driver': Permission denied
find: '/proc/1940/task/1940/fd/6': No such file or directory
find: '/proc/1940/task/1940/fdinfo/6': No such file or directory
find: '/proc/1940/fd/5': No such file or directory
find: '/proc/1940/fdinfo/5': No such file or directory
find: '/boot/efi': Permission denied
find: '/dev/shm/eic-hostkey-6AIcK259': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:~$
```



# LEVEL 7



The screenshot shows a terminal window titled "(bandit7) bandit.labs.overthewire.org-2220 — Konsole". The terminal displays the following commands and output:

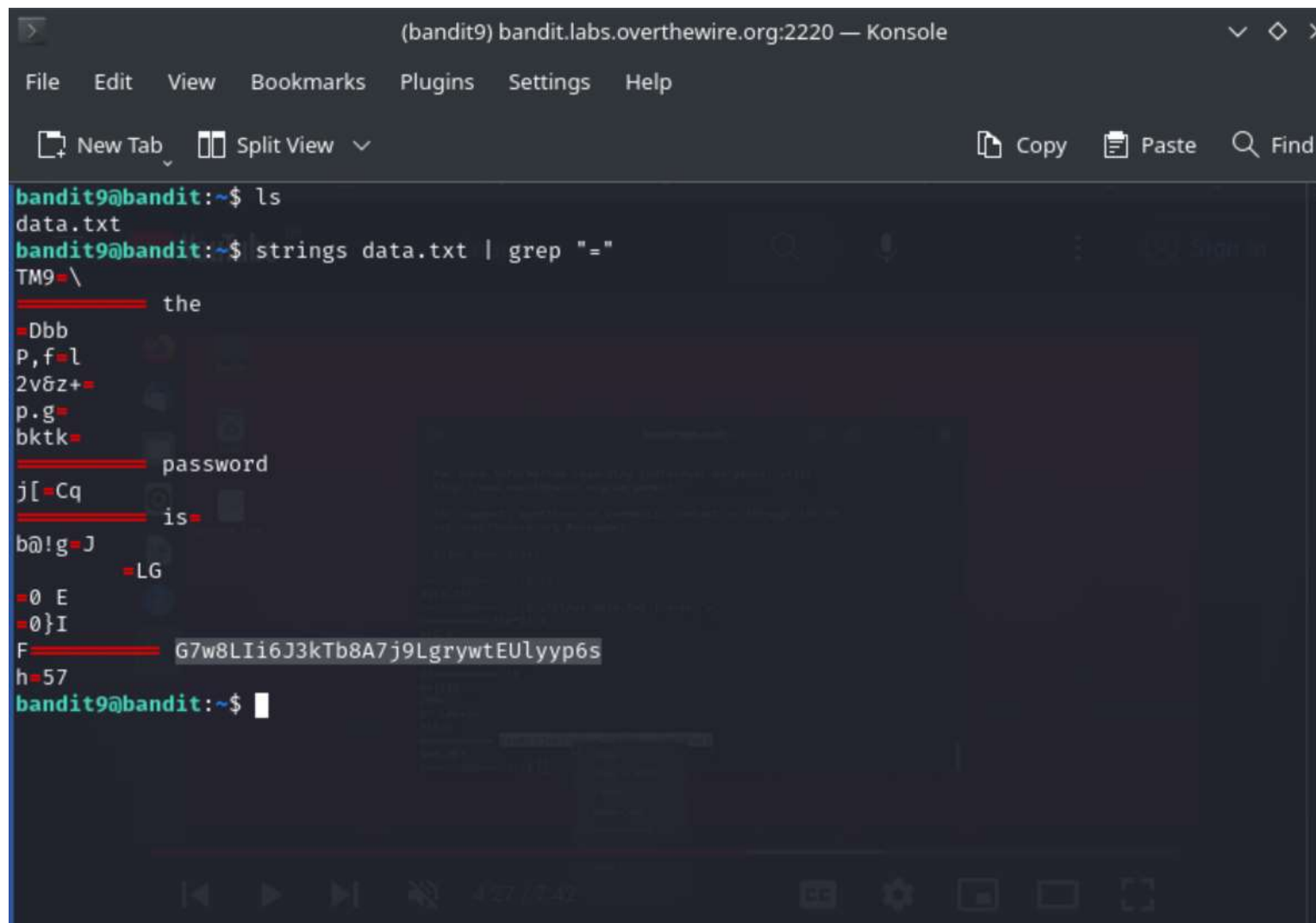
```
bandit7@bandit:~$ ls
data.txt
bandit7@bandit:~$ cat data.txt | grep "millionth"
millionth      TESKZC0XvTetK059xNwm25STk5iWrBvP
bandit7@bandit:~$
```

The output shows a file named "data.txt" and a line containing the word "millionth" followed by a long alphanumeric string: "TESKZC0XvTetK059xNwm25STk5iWrBvP".

# LEVEL 8

```
(bandit8) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
bandit8@bandit:~$ ls
data.txt
bandit8@bandit:~$ sort data.txt | uniq -c
10 0GCrPU5mBXkTHuHL9El0biiZ8qRYRZtf
10 1QVVLcapoxuEVtNnWLSjGm3jrfuWMycS
10 1xrtSN6g6P8thgDTL0zSKYHyMjW7xMUQ
10 2cAmpxYvlzqVs4YCNr3QROmhFHMI6A8p
10 2dxfrYAgnyXpB9dj88UcG5eM7DnoLehN
10 2jdoh52Bn8tsgzAc6JRHsuEqf93JtnIn
10 2saceeRcYc9PUhLWhfvFWDllGDDEkG76
10 32jXLQm6mDB1rlThOPTfUG51gAvny0yD
10 3n0v2kGEslRAL0XpYjvLNJFFNuLD62Fo
10 3nzyXRjBqxd2KPG0kH6VfwuamP5PYZG
10 3SS4GTlfNr6cZ7IN9zBCx6V3DgpDwnjV
10 53TMDJ7RnPG8D516MTj0voURaj2kZTXP
10 680ncAffZQavkOUu7uUrUJ9G7VGLNEoy
10 6ec2cnpMlehjJQZzCzHh0nutteeVdqoh
10 6obNXqNSWQ7Ik1TUVLK9GyEfTROD6y06
10 8ka5Y9vHECYdNP84QIA3576DlZyKi1lx
10 a3XhUthC51cp5I5rj6oWGuYGRgS8GM6k
10 BcWnOrVBlJQv39X0pHb9fDipiIvDjNzm
10 BDedOSxSYpRAKQi0wpBTpOM0Ln179u5f
10 byePGOn0z0xPzLmWASTsKQl3lr81RiQN
10 CFRkLuZp5dstDyYZYmnXTGiWzWIYeNnj
10 COc8SsLZiKttNY5gqE9kshT3rISF9NoH
10 cURnKOShQp5RXZ5TLXK50Y8QXtpnxpNK
10 Cx0QiFQ9Lb2Qb3m3FAzRyn1SP8kpDXnp
10 cxTpxUIhXvbxoVo0Jq4GtvioJp4QSOCR
```

# LEVEL 9



```
(bandit9) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
bandit9@bandit:~$ ls
data.txt
bandit9@bandit:~$ strings data.txt | grep "="
TM9-\
the
.Dbb
P,f-l
2v6z+=
p.g
btkk
password
j[-Cq
is=
b@!g-J
-LG
0 E
0}I
F G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s
h-57
bandit9@bandit:~$
```

# LEVEL 10

```
(bandit10) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find

bandit10@bandit:~$ ls
data.txt
bandit10@bandit:~$ cat data.txt
VGhlIH8hc3N3b3JkIGlzIDZ6UGV6aUxkUjJSS05kTl1GTmI2b1ZDS3pwaGxYSEJNCg==
bandit10@bandit:~$ echo -n 'VGhlIH8hc3N3b3JkIGlzIDZ6UGV6aUxkUjJSS05kTl1GTmI2b1ZDS3pwaGxYSEJNCg==' | base64 --decode
The password is 6zPezILdR2RKNdNYFNb6nVCKzphLXHBM
bandit10@bandit:~$
```

# LEVEL 11

```
(bandit11) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
bandit11@bandit:~$ ls
data.txt
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf WIA00SFzMjXXBC0KoSKBbJ8puQm5lIEi
bandit11@bandit:~$ cat data.txt | tr "A-Za-z" "N-ZA-Mn-za-m"
The password is JVNBBFSmZwKKOP0XbFX0oW8chDz5yVRv
bandit11@bandit:~$
```

# LEVEL 12

```
(bandit12) bandit.labs.overthewire.org:2220 — Konsole
```

File Edit View Bookmarks Plugins Settings Help

New Tab Split View Copy Paste Find

```
bandit12@bandit:~$ cd /tmp  
bandit12@bandit:/tmp$ mkdir -p tmp/tmp.4GLy7rqPpp  
bandit12@bandit:/tmp$ cd /tmp/tmp.4GLy7rqPpp  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ cp ~/data.txt .  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls  
data.txt  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ mv data.txt hexdump  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls  
hexdump  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ xxd -r hexdump compressed  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ mv compressed compressed.gz  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ gzip -d compressed.gz  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls  
compressed hexdump  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ mv compressed compressed.bz2  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ bzip2 -d compressed.bz2  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ mv compressed compressed.gz  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ gzip -d compressed.gz  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls  
compressed hexdump  
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ cat compressed  
data5.bin00000644000000000000000000000000002400014342602475011247 0ustar rootrootdata6.bin0000064400000  
HiM00000000000000033714342602475011257 0ustar rootrootBZh91AY5SYQ*****\.*o*****|!r++ *  
+Ph**I+i$eL+++4d*6*@++3+$z++ *****\*(LVam***p:**W****d**?*++'a  
  
*dw  
*****d)*i
```

```
(bandit12) bandit.labs.overthewire.org:2220 — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
♦♦J6
♦dw
♦♦♦♦d)*i
♦♦♦♦g♦jW♦♦♦♦♦♦H♦
♦♦♦♦bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ mv compressed compressed.tar
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ tar -xf compresses.tar
tar: compresses.tar: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ tar -xf compressed.tar
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls
compressed.tar data5.bin hexdump
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ tar -xf data5.bin
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls
compressed.tar data5.bin data6.bin hexdump
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ bzip2 -d data6.bin
bzip2: Can't guess original name for data6.bin -- using data6.bin.out
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls
compressed.tar data5.bin data6.bin.out hexdump
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ tar -xf data6.bin.out
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls
compressed.tar data5.bin data6.bin.out data8.bin hexdump
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ mv data8.bin data8.gz
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ ls
compressed.tar data5.bin data6.bin.out data8.gz hexdump
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ gzip -d data8.gz
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$ cat data8
The password is wbWdLBxEir4CaE8LaPhauu0o6pwRmrDw
bandit12@bandit:/tmp/tmp.4GLy7rqPpp$
```