Bandit Level 8 —> Level 9

SSH Parameters	
Host:	bandit.labs.overthewire.org
Port:	2220

Website Levels	
Level 8 → Level 9	OverTheWire: Level Goal: Bandit Level 8 → Level 9
Level 9 → Level 10	OverTheWire: Level Goal: Bandit Level 9 → Level 10

Passwords		
Level	User Name	Password
Level 8 → Level 9	bandit8	TESKZC0XvTetK0S9xNwm25STk5iWrBvP
Level 9 → Level 10	bandit8	EN632PlfYiZbn3PhVK3XOGSlNInNE00t

Bandit Level 8 → Level 9

Level Goal

The password for the next level is stored in the file **data.txt** and is the only line of text that occurs only once

Commands you may need to solve this level

grep, sort, uniq, strings, base64, tr, tar, gzip, bzip2, xxd

Helpful Reading Material

Piping and Redirection

```
bandit8@bandit:~$ ###############################################################################
#Over the Wire Bandit - Level 8 -> Level 9 - Solution Set
bandit8@bandit:~$ ###############################################################################
bandit8@bandit:~$
bandit8@bandit:~$ ###############################################################################
bandit8@bandit:~$ #Confirm presence in Bandit Level 8 -> 9 via the id and whoami commands
bandit8@bandit:~$
bandit8@bandit:~$ id && whoami
uid=11008(bandit8) gid=11008(bandit8) groups=11008(bandit8)
bandit8
bandit8@bandit:~$
bandit8@bandit:~$ ###############################################################################
bandit8@bandit:~$
bandit8@bandit:~$ ###############################################################################
bandit8@bandit:~$ #Determine presence of current working directory via pwd command and list its content via ls -la command.  Note: Th
e -la options/switches output directory contents in long format and the -a switch shows hidden files [proceeded by a period [.]]
bandit8@bandit:~$
bandit8@bandit:~$ ls -la
total 56
drwxr-xr-x  2 root    root     4096 Apr 23 18:04 .
drwxr-xr-x 70 root    root     4096 Apr 23 18:05 ..
-rw-r--r--  1 root    root      220 Jan  6  2022 .bash_logout
-rw-r--r--  1 root    root     3771 Jan  6  2022 .bashrc
-rw-r-----  1 bandit9 bandit8 33033 Apr 23 18:04 data.txt
-rw-r--r--  1 root    root      807 Jan  6  2022 .profile
bandit8@bandit:~$ []
```

```
bandit8@bandit:~$ ###########################################################################################################
bandit8@bandit:~$ #We utilize cat command, to read the data.txt file, and pipe its output to the head command to display the first 10
 rows of the file.
bandit8@bandit:~$ ###########################################################################################################
bandit8@bandit:~$
bandit8@bandit:~$ cat data.txt | head
QWiiBJhqUoMj0lCD9XNrkTM1M94eIPMV
UkKkkIJoUVJG6Zd1TDfEkBdPJptq2Sn7
ITQY9WLlsn3q168qH29wYMLQjgPH9lNP
JddNHIO2SAqKPHrrCcL7yTzArusoNwrt
0dEKX1sDwYtc4vyjrKpGu30ecWBsDDa9
yvtL2C3x6iw7XOluSnoS1avXFUCsRSfg
QbKQeOYoUQULmEFOvagIzwC3EF2Gmu1S
lpRbCU2vMhGMRbAv65HhLyKEauDjtzeh
JddNHIO2SAqKPHrrCcL7yTzArusoNwrt
EN632PlfYiZbn3PhVK3XOGSlNInNE00t
bandit8@bandit:~$ 
```

```
bandit8@bandit:~$ ###########################################################################################################
bandit8@bandit:~$ #Per the instructions of this level, and examination of the data, the data.txt file contains duplicative strings an
d one unique string.  The unique string is the password to the next level [Level 9].  To extract the Level 9 password we utilize the
uniq command, however before sending the data to unique we need to structure it in decending order via the sort command.  In order to
 filter for, and output, unique strings the -u option/switch of the uniqu command must be invoked.
bandit8@bandit:~$ ###########################################################################################################
bandit8@bandit:~$
bandit8@bandit:~$ #Comand: sort data.txt | uniq -u
bandit8@bandit:~$
bandit8@bandit:~$ sort data.txt | uniq -u
EN632PlfYiZbn3PhVK3XOGSlNInNE00t
bandit8@bandit:~$
bandit8@bandit:~$ #The above command outputs the password for Bandit Level 9.
```

****
Level 9 —> Level 10 Password
****

EN632PlfYiZbn3PhVK3XOGSlNInNE00t