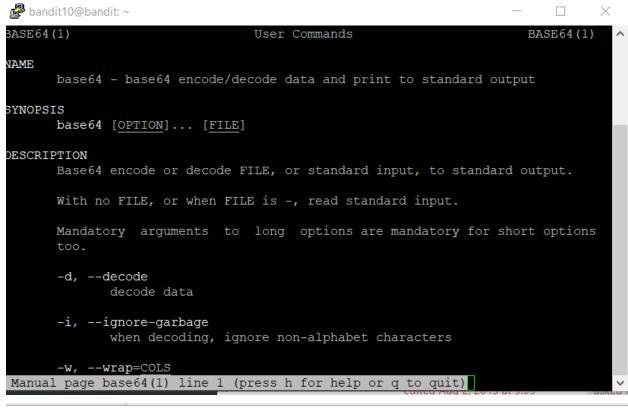# Bandit OTW Walkthrough Write-Up
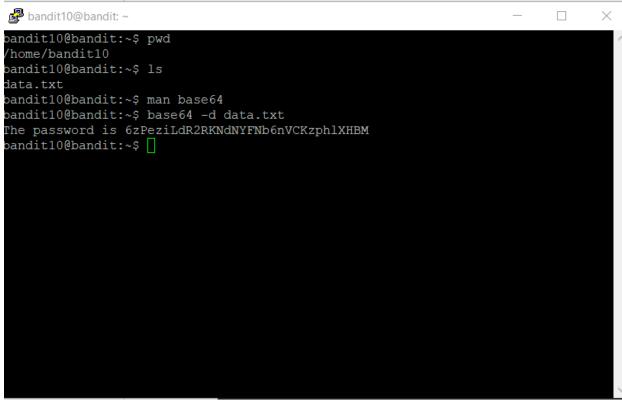## Level : 10 → 11

Challenge: **The password for the next level is stored in the file data.txt, which contains base64 encoded data**

Step 1: Make sure you used the password from the previous level (Level 9 → 10) to login to bandit11.

Step 2: First I used the **"pwd"** command to see which directory I was currently logged into when logging in, I was in my home directory of bandit user 10. Then I used the **"ls"** command to list all files / subdirectories within my home directory, there was only 1 file called data.txt.

```
BASE64(1)                          User Commands                          BASE64(1)

NAME
       base64 - base64 encode/decode data and print to standard output

SYNOPSIS
       base64 [OPTION]... [FILE]

DESCRIPTION
       Base64 encode or decode FILE, or standard input, to standard output.

       With no FILE, or when FILE is -, read standard input.

       Mandatory  arguments  to  long  options are mandatory for short options
       too.

       -d, --decode
              decode data

       -i, --ignore-garbage
              when decoding, ignore non-alphabet characters

       -w, --wrap=COLS
Manual page base64(1) line 1 (press h for help or q to quit)
```

```
bandit10@bandit:~$ pwd
/home/bandit10
bandit10@bandit:~$ ls
data.txt
bandit10@bandit:~$ man base64
bandit10@bandit:~$ base64 -d data.txt
The password is 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM
bandit10@bandit:~$
```

Step 3: Since the password that I am trying to find is in the data.txt in base64, I reviewed the manual for how to decode it by typing **"man base64"**, and saw the required parameters on the setup to decode base64 in a file. It was "base64… (option)...[file]". So I followed the instructions by typing "**base64 -d data.txt**"

Step 4: After the previous command It spelled out the password and therefore I copied it to use it for the next level.