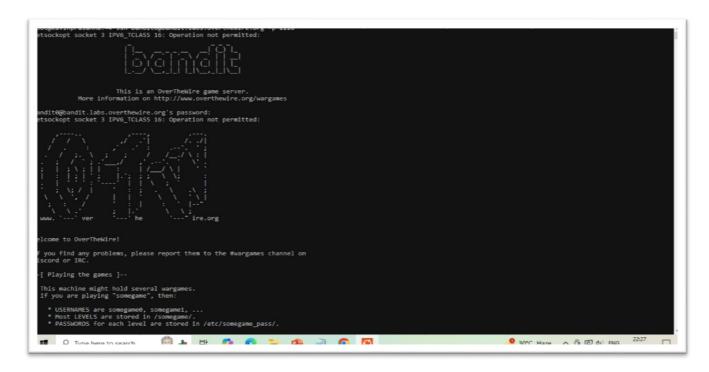
## TEAM BIOS WRITEUP



The host to which you need to connect is **bandit.labs.overthewire.org**, on port **2220**. The username is **bandit0** and the password is **bandit0**. The password for the next level is stored in a file called **readme** located in the home directory.

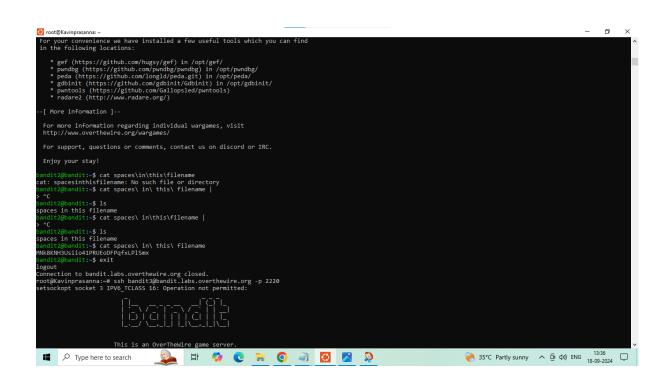
\$ ssh bandit0@bandit.labs.overthewire.org -p 2220

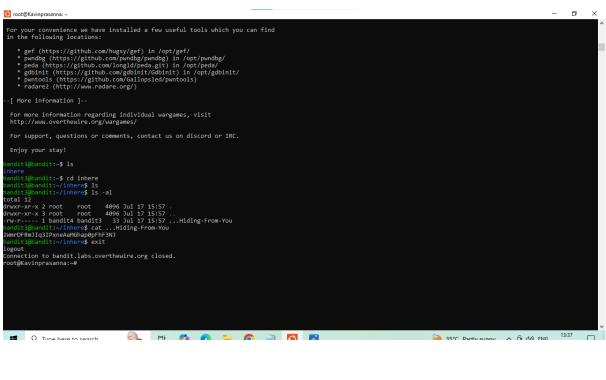
Command cat is used to read the file

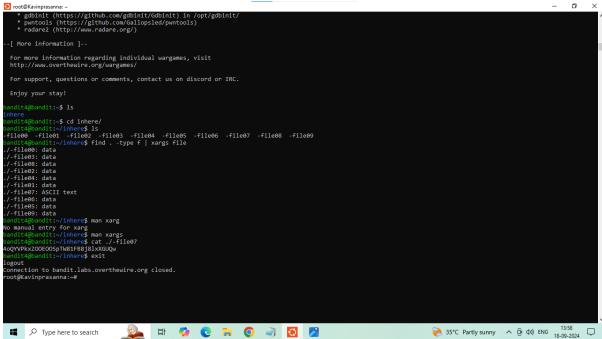
The cat command reads each File parameter in sequence and writes it to standard output. If you do not specify a file name, the cat command reads from standard input. You can also specify a file name of - (dash) for standard input

```
gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
    * pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
 -[ More information ]--
  For more information regarding individual wargames, visit
  http://www.overthewire.org/wargames/
  For support, questions or comments, contact us on discord or IRC.
  Enjoy your stay!
bandit0@bandit:~$ ls
readme
pandit@@bandit:~$ cat readme
Congratulations on your first steps into the bandit game!!
Please make sure you have read the rules at https://overthewire.org/rules/
If you are following a course, workshop, walthrough or other educational activity, please inform the instructor about the rules as well and encourage them to
contribute to the OverTheWire community so we can keep these games free!
The password you are looking for is: ZjLjTmM6FvvyRnrb2rfNW0Z0Ta6ip5If
 andit@@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
root@Kavinprasanna:~# D
- ·
                                    <u>е</u>
```

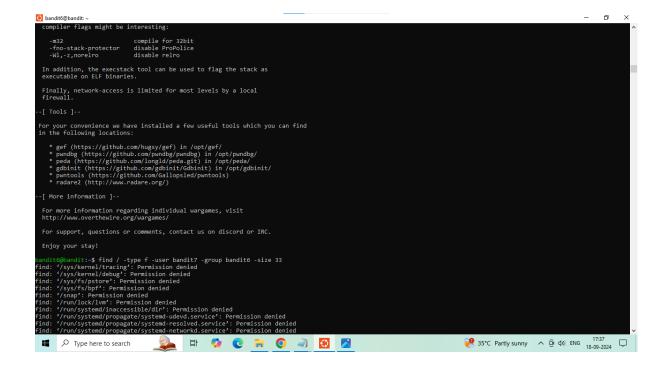


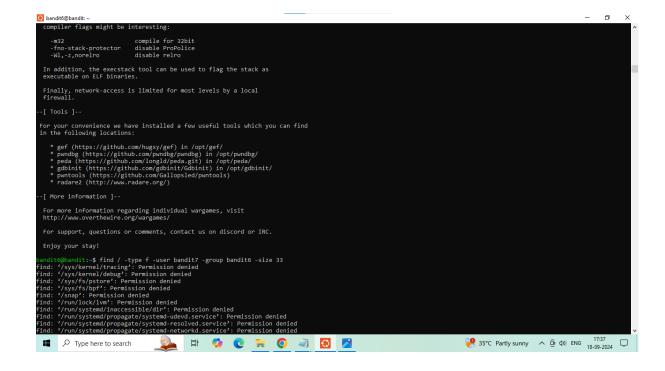


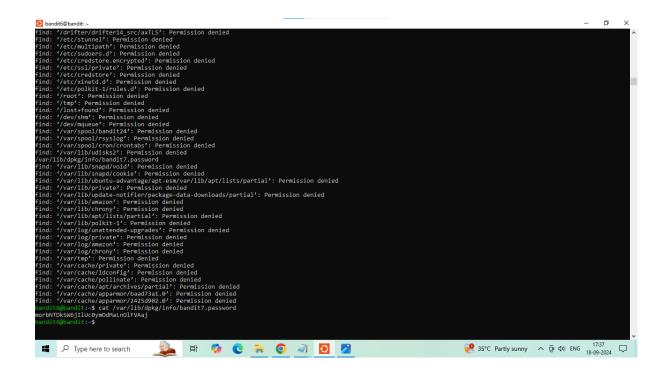


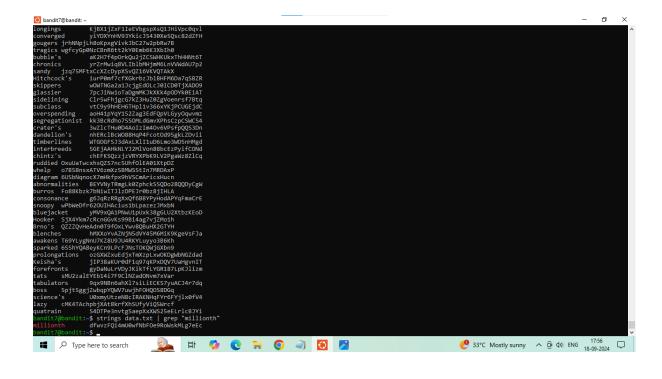


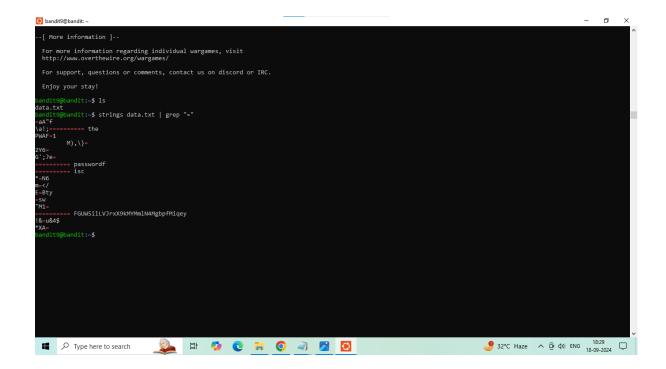












```
* pends (https://glthub.com/pundbg/pundbg) in /opt/pundbg/
* peda (https://glthub.com/longld/peda.glt) in /opt/peda/
* gdbint (https://glthub.com/longld/peda.glt) in /opt/peda/
* gdbint (https://glthub.com/longld/peda.glt) in /opt/gdbint/
* puntools (https://glthub.com/gallopsled/puntools)
* radare2 (http://www.radare.org/)
--[ More information ]--

For nonce information regarding individual wargames, visit http://www.cortheuire.org/wargames/
For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

bandlti@Bandlt:-$ 1s

dandlti@Bandlt:-$ 1s

dandlti@Bandlt:-$ 5c d.data.tx

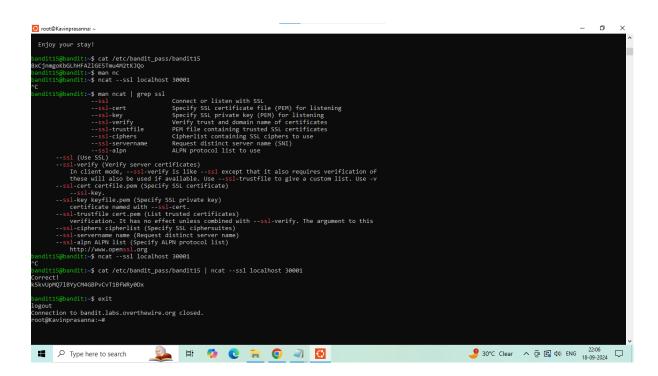
Whllmeh.BalbaJkcGlz.GeOujf=RMZ:MsZIMUJZREZTR3NrMl]XbnBOVmozcVJyCg--
mandlti@Bandlt:-$ 5c d.data.tx

Whllmeh.BalbaJkcGlz.GeOujf=RMZ:MsZIMUJZREZTR3NrMl]XbnBOVmozcVJyCg--
mandlti@Bandlt:-$ for ond, did you mean:

Command 'base' from shap base (0.1.32.3)

command 'base' from deb bash (2.2.21-2)

command 'base' from deb bash (2.2.21-2
```



## Overall Commands I learnt is:

to check all the files inside it is command:file ./-file\*

to read the file command:cat ./-file(number)

description:human readable,1033 bytes in size,not executable

answer:find . -size 1033c \! -executable or find /(given properties)

**COMMANDS:** 

grep:It is an primary search tool used to find the specific strings or

specific configuration file.

sort:identical lines of text or identical passwords into groups

unig:remove all the duplicates which are similar

pipeline operator:output of one process and set into the other process

command u(unique): Which print only unique lines

strings:strings prints the printable character sequences that are

atleast 4 characters, and strings are mainly useful forn determining the contents of non text files and also show the human readable contents

base64:If we didnt know that the string is base 64 we can find it by seeing the equal signs of of the string

translate (tr):Used to translate the first set of characters and after by using tr with a-zA-Z n-za-mN-ZA-M

xxd:creates a hex dump of a given file or standard output

what is hexdump?

Hexdump is used to examine the contents of files, particularly binary files or unknown file formats.

It helps programmers and analysts understand the structure and data stored in the file.

Debugging. Programmers use Hexdump to investigate issues in their code.

xxd -r:xxd -r [hexadecimal dump file path] Converting hexadecimal dump to the original file.

The hexadecimal dump was saved in a file called "hexdump. txt," and we used the '-r' option to reverse this process,

converting the hex dump back into its original format.

gzip,gunzip,zcat -compress or expand files

gzip(with an letter d means)-helps to decompress

netcat(nc):This command is used to in variety of network related tasks.Reading and writing data: The nc command can read and write data between two computer networks.

Creating sockets: The nc command can create TCP and UDP sockets for network communication.

Port scanning: The nc command can scan ports.

File transfer: The nc command can transfer files.

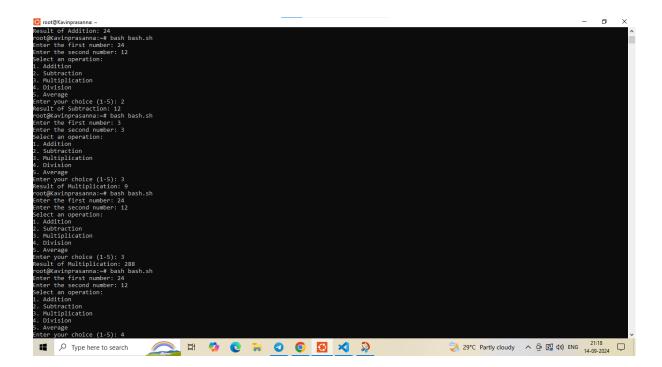
Port listening: The nc command can listen on arbitrary TCP and UDP ports.

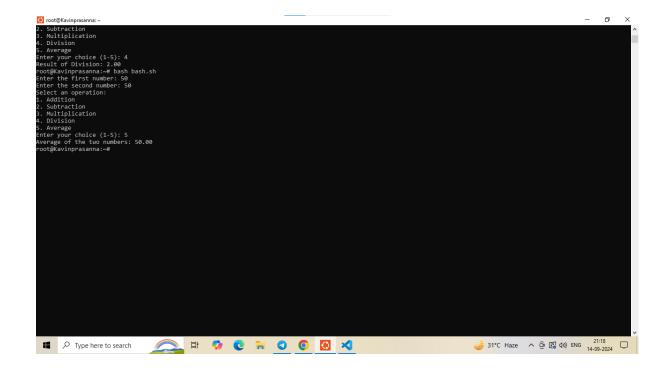
Network debugging: The nc command can be used for network debugging and investigation

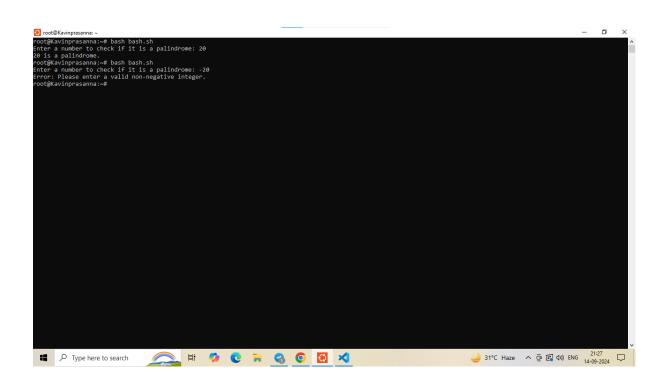


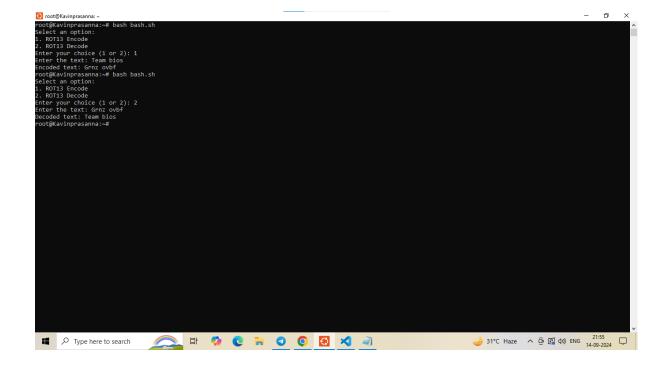
COMPLETED JAVA;

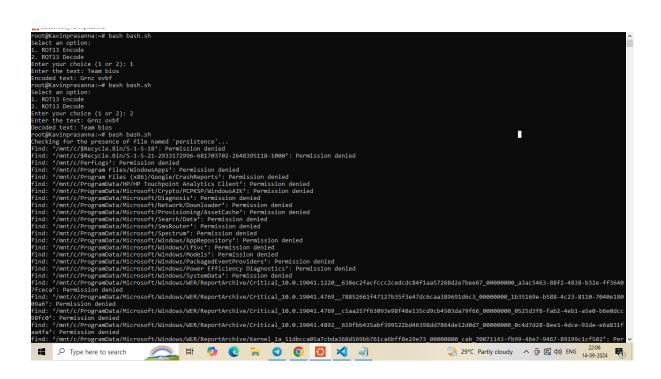
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The condition of the control of the
```











## BASH SCRIPTING COMPLETED;

```
## Syton 3.13.6 (tags/3.12.6:a4a2d2b, sep 6 3024, 20:11:23) [MSC v.1940 64 bit (AMD64)] on win32 type "help", "credits" or "license" for more information.

**Set Count vowels(S):

# Contravowels "astou"

# count vowels "setou"

# count vowels ("hello World")) # 3

**Sy print(count_vowels("Python")) # 1

**Sy print(count_vowels("Python")) # 1
```

## PYTHON;

```
## Python 3.12.6. (tags/v3.12.6.a4a2d2b, Sep 6 2024, 20:11:23) [MSC v.1940 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license" for more information.

>>> def count_vowels(s):

## Define vowels

## count vo
```

```
Python 312 (6+bm)
Python 312.6 (tags/V3.12.6:a4a2d2b, Sep 6 2024, 20:11:23) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" on "license" for more information.

>> def "copyright", "credits" on "license" for more information.

>> def action and provided in the provided ino
```

PYTHON PROGRAMMING LANGUAGES COMPLETED;