AMRITA SCHOOL OF ENGINEERING

Amrita School of Engineering

Chennai – 601 103, Tamil Nadu, India.

AMRITA SCHOOL OF ENGINEERING

Degree of Bachelor of Technology in

COMPUTER SCIENCE & ENGINEERING

COGNIZANCE TASK-2 [LINUX GAMES]

Submitted by :

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CSE-A

CH.EN.U4CSE20027

LEVEL 0:-

```
eliyajerg20027@eliyajerg20027-VirtualBox:~/Desktop$ ssh bandit0@bandit.labs.ove
rthewire.org -p 2220

                          _             _ _ _
                         | |__  __ _ _ __   __| (_) |_
                         | '_ \/ _` | '_ \ / _` | | __|
                         | |_) | (_| | | | | (_| | | |_
                         |_.__/\__,_|_| |_|\__,_|_|\__|


                   This is an OverTheWire game server.
              More information on http://www.overthewire.org/wargames

bandit0@bandit.labs.overthewire.org's password:
```



```
     www.  `---` ver      '---' he       '---" ire.org
```
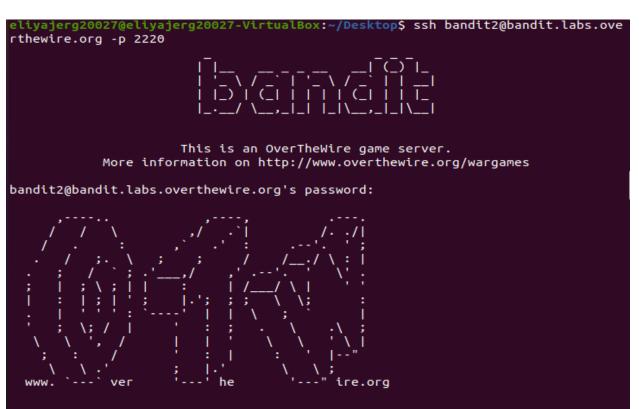
Welcome to OverTheWire!

If you find any problems, please report them to the #wargames channel on
discord or IRC.

--[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/ is disabled and to /proc
  restricted so that users cannot snoop on eachother. Files and directories
  with easily guessable or short names will be periodically deleted! The /tmp
  directory is regularly wiped.
  Please play nice:

    * don't leave orphan processes running
    * don't leave exploit-files laying around
    * don't annoy other players
    * don't post passwords or spoilers

  In addition, the execstack tool can be used to flag the stack as
  executable on ELF binaries.

  Finally, network-access is limited for most levels by a local
  firewall.

--[Tools]--

  For your convenience we have installed a few useful tools which you can find
  in the following locations:

    * gef (https://github.com/hugsy/gef) in /opt/gef/
    * pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
    * peda (https://github.com/longld/peda.git) in /opt/peda/
    * gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
    * pwntools (https://github.com/Gallopsled/pwntools)
    * radare2 (http://www.radare.org/)

  Both python2 and python3 are installed.

--[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 -alps
total 24
4 drwxr-xr-x  2 root    root    4096 Sep  1 06:30 ./
4 drwxr-xr-x 49 root    root    4096 Sep  1 06:30 ../
4 -rw-r--r--  1 root    root     220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root    root    3771 Jan  6  2022 .bashrc
4 -rw-r--r--  1 root    root     807 Jan  6  2022 .profile
4 -rw-r-----  1 bandit1 bandit0   33 Sep  1 06:30 readme
bandit0@bandit:~$ cat readme
NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
bandit0@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVE1:

```
eliyajerg20027@eliyajerg20027-VirtualBox:~/Desktop$ ssh bandit1@bandit.labs.ove
rthewire.org -p 2220
                        _                  _            _
                       | |__   __ _ _ __  __| (_) |_
                       | '_ \ / _` | '_ \ / _` | | __|
                       | |_) | (_| | | | | (_| | | |_
                       |_.__/ \__,_|_| |_|\__,_|_|\__|


               This is an OverTheWire game server.
          More information on http://www.overthewire.org/wargames

bandit1@bandit.labs.overthewire.org's password:
```

```
 Both python2 and python3 are installed.

--[ More information ]--

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  For support, questions or comments, contact us on discord or IRC.

  Enjoy your stay!

bandit1@bandit:~$ ls -alps
total 24
4 -rw-r-----  1 bandit2 bandit1   33 Sep  1 06:30 -
4 drwxr-xr-x  2 root     root    4096 Sep  1 06:30 ./
4 drwxr-xr-x 49 root     root    4096 Sep  1 06:30 ../
4 -rw-r--r--  1 root     root     220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root     root    3771 Jan  6  2022 .bashrc
4 -rw-r--r--  1 root     root     807 Jan  6  2022 .profile
bandit1@bandit:~$ cat ./-
rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
bandit1@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL2:

```
eliyajerg20027@eliyajerg20027-VirtualBox:~/Desktop$ ssh bandit2@bandit.labs.ove
rthewire.org -p 2220
                   _                 _  _(_)_  _
                  | |__   __ _ _ __  __| |(_) |_
                  | '_ \ / _` | '_ \/ _` | | __|
                  | |_) | (_| | | | | (_| | | |_
                  |_.__/ \__,_|_| |_|\__,_|_|\__|


             This is an OverTheWire game server.
        More information on http://www.overthewire.org/wargames

bandit2@bandit.labs.overthewire.org's password:

       ,-----.          ,----.           .----.
      /  /    \        ,/  /.·`|       __/· ·/|
     /  .   :    \    ,  ;   .·  :    __·--'. ';
    ·  /  ;·.  \   ;  ;    ;    /   /__·/ \ : |
    .   ;  /  `  ; ·'___,/    ,·    .·--·.  ': '
    ;  |  ;  \  ; | |    :   |  /___/ \ |  ' '
    |  :  |  ; |  ';    |·';  ;    \  \;    :
    ·  |  ;  :  '----'  |  |  \   ;   `     |
    '   ;  \; /  |      ';  ;|   ·   \   :\ ;
     \   \  `·,·/       |  |  \    \  \  :\ |
      ;   :   : /       :  :  ·     :  \  ;`\|--"
       \   \  .·      ;  |.·       \   \ ;
    www. `---` ver    '---' he       '---" ire.org
```

```
 Both python2 and python3 are installed.

--[ 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!

bandit2@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  2 root     root      4096 Sep  1 06:30 ./
4 drwxr-xr-x 49 root     root      4096 Sep  1 06:30 ../
4 -rw-r--r--  1 root     root       220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root     root      3771 Jan  6  2022 .bashrc
4 -rw-r--r--  1 root     root       807 Jan  6  2022 .profile
4 -rw-r-----  1 bandit3 bandit2     33 Sep  1 06:30 spaces in this filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename
aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL-3

```
eliyajerg20027@eliyajerg20027-VirtualBox:~/Desktop$ ssh bandit3@bandit.labs.ove
rthewire.org -p 2220


                        _           _   _ _
                       | |__   __ _ _ __   __| (_) |_
                       | '_ \ / _` | '_ \ / _` | | __|
                       | |_) | (_| | | | | (_| | | |_
                       |_.__/ \__,_|_| |_|\__,_|_|\__|


                 This is an OverTheWire game server.
           More information on http://www.overthewire.org/wargames

bandit3@bandit.labs.overthewire.org's password:


    ,-----..           ,----,            ....
   /   /   \         ./   .`|          /.  ./|
```

```
  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!

bandit3@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  3 root root 4096 Sep  1 06:30 ./
4 drwxr-xr-x 49 root root 4096 Sep  1 06:30 ../
4 -rw-r--r--  1 root root  220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root root 3771 Jan  6  2022 .bashrc
4 drwxr-xr-x  2 root root 4096 Sep  1 06:30 inhere/
4 -rw-r--r--  1 root root  807 Jan  6  2022 .profile
bandit3@bandit:~$ cd inhere/
bandit3@bandit:~/inhere$ ls -al
total 12
drwxr-xr-x 2 root     root    4096 Sep  1 06:30 .
drwxr-xr-x 3 root     root    4096 Sep  1 06:30 ..
-rw-r----- 1 bandit4 bandit3   33 Sep  1 06:30 .hidden
bandit3@bandit:~/inhere$ cat .hidden
2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe
bandit3@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL-4

```
eliyajerg20027@eliyajerg20027-VirtualBox:~/Desktop$ ssh bandit4@bandit.labs.ove
rthewire.org -p 2220

            |¯|__ __ _ _ __  __| |¯(_)¯|_
            | '_ \/ _` | '_ \/ _` | | | __|
            | |_) | (_| | | | | (_| | | | |_
            |_.__/ \__,_|_| |_|\__,_|_| |_|\__|


            This is an OverTheWire game server.
         More information on http://www.overthewire.org/wargames

bandit4@bandit.labs.overthewire.org's password:
```

```
   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!

bandit4@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  3 root root 4096 Sep  1 06:30 ./
4 drwxr-xr-x 49 root root 4096 Sep  1 06:30 ../
4 -rw-r--r--  1 root root  220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root root 3771 Jan  6  2022 .bashrc
4 drwxr-xr-x  2 root root 4096 Sep  1 06:30 inhere/
4 -rw-r--r--  1 root root  807 Jan  6  2022 .profile
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00  -file02  -file04  -file06  -file08
-file01  -file03  -file05  -file07  -file09
```

```
bandit4@bandit:~/inhere$ find . type f | xargs file
find: 'type': No such file or directory
find: 'f': No such file or directory
.:        directory
./-file03: data
./-file04: data
./-file09: data
./-file07: ASCII text
./-file08: data
./-file06: data
./-file05: data
./-file01: data
./-file02: data
./-file00: OpenPGP Public Key
bandit4@bandit:~/inhere$ man xargs
bandit4@bandit:~/inhere$ cat .^C
bandit4@bandit:~/inhere$ cat ./-file07
lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
eliyajerg20027@eliyajerg20027-VirtualBox:~$
```

LEVEL 5:-

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit5@bandit.labs.overthewire
.org -p 2220
                          _                  _            _
                         | |__   __ _ _ __  __| (_) |_
                         | '_ \ / _` | '_ \ / _` | | __|
                         | |_) | (_| | | | | (_| | | |_
                         |_.__/ \__,_|_| |_|\__,_|_|\__|


                    This is an OverTheWire game server.
              More information on http://www.overthewire.org/wargames

bandit5@bandit.labs.overthewire.org's password:

        ,-----..            ,----,                  .---.
       /   /   \          ,/   .`|                /.  ./|
      /   .   :         ,`   .'  :              .--'.  ' ;
     .   /   ;.  \   ;    ;     /    /   /__./\  :  |
     .   ;   /  ` ; .'___,/    ,'    ,' .--'.  '   \' .
   For support, questions or comments, contact us on discord or IRC.

   Enjoy your stay!

bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU
```

LEVEL- 6

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit6@bandit.labs.overthewire
.org -p 2220

                    _                     _  _  _
                   | |                   | |(_)| |
                   | |__   __ _ _ __   __| | _ | |_
                   | '_ \ / _` | '_ \ / _` || || __|
                   | |_) | (_| | | | | (_| || || |_
                   |_.__/ \__,_|_| |_|\__,_||_| \__|


                    This is an OverTheWire game server.
              More information on http://www.overthewire.org/wargames

bandit6@bandit.labs.overthewire.org's password:
find: '/lost+found': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
eliyajerg20027@eliyajerg20027-VirtualBox:~$
```

LEVEL-7:

```
hypothalamus's    CThBKKoFEnA2IhdEWXP5AYBeBZfdSjA2
unprivileged      uICJJ0KNdPUVRvdi6JhXEPuQVTquASmX
cottoning         Z0tVNHs0hyndPzVZlRCFbUKdDT21oHIm
nutritionists     ELxWAaxnLEkXuHDoNl4zCOE7pnKVNERZ
shocked PzEjqrwSvMhC05XlqlOmlQevGyoLuyCw
precipitants      AfyTYB7r9WJ8TMuQsxFsy3R6f4hPupHj
burnishing        WUceGwznWhEhEhdrZTEdN442JM5lQLBi
codependents      umfvVru8q6fDcDaR5fFls8T7U8aqVF7Z
Sylvie's          CqP2HlEV7HesWHXzOB7XH2Fzkn04LN53
quaffing          pazr1FRMypGv2KwGoIUJYGa1jS5OX4HO
flypaper's        oFi6GP1v9qyJNAjbl273tlcDUMBDRf7E
suing    TEAxmxBmMPB2HEEMFdEY4VHGrFP6C0Ec
airdropped        UCQC0BcR3JahbdyfHoatOsDvC95v7J97
oxyacetylene      FY9fMziXbseKQtqXOQvLSD0MufK0i8UV
unbelief's        B5avMsUGjQzlyl2yfHAFOr1S2h4RLkT9
loath    qPdILDdfUOw04RmNkViS1OoybkoYIUCO
Grover's          yLmDMwo1CMsXLt7iClSmIR4mUQ2TCh8k
Agassiz 4YUy7dcLXovPZOubd4MOsWgld0OqjB6P
ambushes          NXsQvQgPhGM0iB8Ib0yOTshuhcuKCOFD
tyrannizes        MstMwUMVi9WbH1a2yENSKoy9ndsrlsOl
revivifying       F35WseMsqFWELVaO9li2iZw24Xw0R5Cx
pasteurizing      kFcmSi4Nghwx6IriURKOyPRFmvbPoUjK
Barnabas          WgBcVysF7InhvJPOIfOzreupigCc320S
Nova's   AZb1OFgy95L3fvBIjDb4OeR5y106RZtM
billies zLLFU9phCQ1N98lg6UNWQzvlKfm5XiZS
quadrupling       tFfhjb3Yt0LU1qPiv7aIK6GY6ImzTcR3
castration        3LKXNdzOme5sAedxT60n8PDs7wHcJo3A
bandit7@bandit:~$ strings data.txt | grep "millionth"
millionth         TESKZC0XvTetK0S9xNwm25STk5iWrBvP
```

LEVEL-8

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit8@bandit.labs.overthewire
.org -p 2220
```

```
 _                     _ _ _
| |__   __ _ _ __   __| (_) |_
| '_ \ / _` | '_ \ / _` | | __|
| |_) | (_| | | | | (_| | | |_
|_.__/ \__,_|_| |_|\__,_|_|\__|
```

```
              This is an OverTheWire game server.
         More information on http://www.overthewire.org/wargames

bandit8@bandit.labs.overthewire.org's password:
```

```
   ,-----..          ,----,.            .----.
  /  /   / \        ,/   .`|          /· ·/|
 /  .  .  :       ,`    .'  :        .--'. ';
.  /  ;. \  ;'  ;    /    /__·/ \ : |
 Both python2 and python3 are installed.

--[ 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!

bandit8@bandit:~$ cat data.txt
s2ZGuAmX6cY1gJ9ER1qkXDCWTFntPJvJ
6hXvdZamDJFnfKX8O8UZPVjZpjeqeq6M
zJmXl1uLmwGC7r6mhGj1MJ0WEepnHSoT
RJizoPEBRhVuM5dF8NbRoUAcFgCYxAby
QrMLTTEu3KGuydS2w9FLTTLzuRldf6f6
B3E7u3CYUKsHrS3FL4OxwnQ8mV41JsmC
h44iM4fCazdJGlR3i4QGaSR6FtyGmd4Q
```

```
bandit8@bandit:~$ sort data.txt
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0OvPFQCx2OI01VN7AwqUcOd4cqR9Ecg9
0TTLuJ0jGXQM5Knk21Ghi4iisHYJOfzI
```

```
bandit8@bandit:~$ man uniq
bandit8@bandit:~$ sort data.txt |uniq -c
```

```
     1 EN632PlfYiZbn3PhVK3XOGSlNInNE00t
```

LEVEL 9:

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ^C
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit9@bandit.labs.overthewire
.org -p 2220
                  _                   _ _ _
                 | |__   __ _ _ __  __| (_) |_
                 | '_ \ / _` | '_ \/ _` | | __|
                 | |_) | (_| | | | | (_| | | |_
                 |_.__/ \__,_|_| |_|\__,_|_|\__|


              This is an OverTheWire game server.
        More information on http://www.overthewire.org/wargames

bandit9@bandit.labs.overthewire.org's password:
```

```
bandit9@bandit:~$ strings data.txt | grep "="
=id6
========== the
gO=89
5+&R=
V>%=
bu========== password
iwAw=
M'j=_
4iu========== is
b~==P
ED=Fpe
,=fX
x=f+
O=6pF
=do%
:26=
========== G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s
=@dZ
u-;=
=#U?
2BEK=q
@!6=
bandit9@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL-10:

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit10@bandit.labs.overthewir
e.org -p 2220
                              _                   _ _ _
                             | |__   __ _ _ __   __| (_) |_
                             | '_ \ / _` | '_ \ / _` | | __|
                             | |_) | (_| | | | | (_| | | |_
                             |_.__/ \__,_|_| |_|\__,_|_|\__|


                    This is an OverTheWire game server.
              More information on http://www.overthewire.org/wargames

bandit10@bandit.labs.overthewire.org's password:
```

```
 Both python2 and python3 are installed.

--[ More information ]--

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  http://www.overthewire.org/wargames/

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  Enjoy your stay!

bandit10@bandit:~$ cat data.txt
```
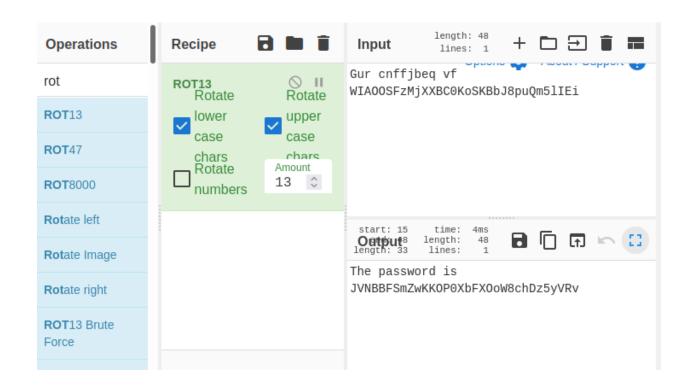
VGhlIHBhc3N3b3JkIGlzIDZ6UGV6aUxkUjJSS05kTllGTmI2blZDS3pwaGxYHBM==

```
bandit10@bandit:~$ man base64
bandit10@bandit:~$ base64 -d data.txt
The password is 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL -11:


```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit11@bandit.labs.overthewir
e.org -p 2220


                         _                  _____
                        | |                 |_   _|
                        | |__   __ _ _ __   __| |_| |_
                        | '_ \ / _` | '_ \ / _` | __|
                        | |_) | (_| | | | | (_| | |_
                        |_.__/ \__,_|_| |_|\__,_|\__|


                This is an OverTheWire game server.
        More information on http://www.overthewire.org/wargames


bandit11@bandit.labs.overthewire.org's password:
```



```
 Both python2 and python3 are installed.

-[ 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!

bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf WIAOOSFzMjXXBC0KoSKBbJ8puQm5lIEi
bandit11@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

Operations

rot

ROT13

ROT47

ROT8000

Rotate left

Rotate Image

Rotate right

ROT13 Brute Force

Recipe 🖫 📁 🗑

ROT13 ⊘ ❚❚
☑ Rotate lower case chars
☑ Rotate upper case chars
☐ Rotate numbers

Amount
13 ⌃⌄

Input length: 48 lines: 1 ＋ 📁 ⍈ 🗑 ▤

Gur cnffjbeq vf WIAOOSFzMjXXBC0KoSKBbJ8puQm5lIEi

Output start: 15 time: 4ms length: 48 lines: 1 🖫 ⧉ ⬆ ↶ ⛶
length: 33

The password is JVNBBFSmZwKKOP0XbFXOoW8chDz5yVRv

Level-12


```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit12@bandit.labs.overthewir
e.org -p 2220


                    _                     _ _ _
                   | |__   __ _ _ __   __| (_) |_
                   | '_ \ / _` | '_ \ / _` | | __|
                   | |_) | (_| | | | | (_| | | |_
                   |_.__/ \__,_|_| |_|\__,_|_|\__|


                    This is an OverTheWire game server.
            More information on http://www.overthewire.org/wargames

bandit12@bandit.labs.overthewire.org's password:
```

```
bandit12@bandit:/tmp/alexis$ ls
data.tar
bandit12@bandit:/tmp/alexis$ tar xf data.tar
bandit12@bandit:/tmp/alexis$ ls
data8.bin  data.tar
bandit12@bandit:/tmp/alexis$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Thu Sep  1 06:
30:09 2022, max compression, from Unix, original size modulo 2^32 49
bandit12@bandit:/tmp/alexis$ mv data8.bin data.gz
bandit12@bandit:/tmp/alexis$ gzip -d data.gz
bandit12@bandit:/tmp/alexis$ ls
data  data.tar
bandit12@bandit:/tmp/alexis$ file data
data: ASCII text
bandit12@bandit:/tmp/alexis$ cat data
The password is wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw
bandit12@bandit:/tmp/alexis$ exit
logout
Connection to bandit.labs.overthewire.org closed.
eliyajerg20027@eliyajerg20027-VirtualBox:~$
```

LEVEL -13

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit13@bandit.labs.overthewir
e.org -p 2220
                                 _                    _   _
                        | |__    __ _ _ __   __| | (_) |_
                        | '_ \  / _` | '_ \ / _` | | | __|
                        | |_) || (_| | | | | (_| | | | |_
                        |_.__/ \__,_|_| |_|\__,_| |_|\__|


                    This is an OverTheWire game server.
            More information on http://www.overthewire.org/wargames

bandit13@bandit.labs.overthewire.org's password:


     ,-----..                ,----,            .---.
    /   /   \              ,/   .`|           /. ./|
```

```
bandit13@bandit:~$ ls
sshkey.private
bandit13@bandit:~$ ssh -i sshkey.private bandit14@localhost
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLfXC5CXlhmAAM/urerLY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit13/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_ho
sts).
```

Level-14

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit14@bandit.labs.overthewir
e.org -p 2220

         _                     _ _ _
        | |__   __ _ _ __   __| (_) |_
        | '_ \ / _` | '_ \ / _` | | __|
        | |_) | (_| | | | | (_| | | |_
        |_.__/ \__,_|_| |_|\__,_|_|\__|


              This is an OverTheWire game server.
        More information on http://www.overthewire.org/wargames

bandit14@bandit.labs.overthewire.org's password:

000000a0: 00c8 d01a 6874 d323 40d3 d206 81a1 a680  ....ht.#@.......
000000b0: d0c8 0190 d034 0340 0d00 c800 01a6 991a  .....4.@........
000000c0: 0019 3400 d000 0006 800c 4d1a 0189 a001  ..4.......M.....
000000d0: fc18 2890 6086 162a 8035 6a6b 3d5c 1382  ..(.`..*.5jk=\..
000000e0: 0a38 e6dd 214b 6fa4 3984 0192 256e e084  .8..!Ko.9...%n..
000000f0: ed6b ad67 3318 b07a 005d 0e21 dbd1 fb84  .k.g3..z.].!....
00000100: 770f 055f 0044 3086 8230 d579 2881 afe7  w.._.D0..0.y(...
00000110: 531e 3071 f859 eeae 01aa 1040 75cd 3c5b  S.0q.Y.....@u.<[
00000120: f24a 16b8 34e7 43db 9e73 56a1 3d3d fd90  .J..4.C..sV.==..
00000130: 6bc3 47a5 4c73 af13 a324 5731 b90e 2063  k.G.Ls...$W1.. c
00000140: 45ef fe11 842e 03f9 b063 8f4c fb41 0a32  E........c.L.A.2
00000150: 8fdb 7cea 82a0 ee91 4e05 c610 088e a2da  ..|.....N.......
00000160: 7536 2c72 1701 c248 7ab7 1fef 30f8 142c  u6,r...Hz...0..,
00000170: 0359 539c 5a21 4e94 6a33 9d18 6120 42a0  .YS.Z!N.j3..a B.
00000180: 6471 a01e 42a4 da3b 6eaa 5e7e edc3 f973  dq..B..;n.^~...s
00000190: 2ec7 5009 a7e8 101e a3ac b344 f2bb d9e6  ..P........D....
000001a0: 7bd7 c5fb 18b6 92ac 9fe8 aef4 673c da0c  {...........g<..
000001b0: 0cdb 0440 4869 1bd0 7d84 e1e5 85c2 1a60  ...@Hi..}......`
000001c0: 701c c9ac 50ca adf7 bba9 226f f175 1ec2  p...P....."o.u..
000001d0: 90de 557e ed09 5c3b 1886 84dc f110 24e7  ..U~..\;......$.
000001e0: 871b 6148 f224 fb71 c3d1 1096 4a48 48a2  ..aH.$.q....JHH.
000001f0: 99ea 647b 4f3b ac19 3be6 1cb9 24c3 ce48  ..d{O;..;...$..H
```

Level-15:-

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit15@bandit.labs.overthewir
e.org -p 2220
           _                     _ _ _
          | |__   __ _ _ __   __| (_) |_
          | '_ \ / _` | '_ \ / _` | | __|
          | |_) | (_| | | | | (_| | | |_
          |_.__/ \__,_|_| |_|\__,_|_|\__|


          This is an OverTheWire game server.
       More information on http://www.overthewire.org/wargames

bandit15@bandit.labs.overthewire.org's password: █
```

```
=id6
========== the
gO=89
5+&R=
V>%=
bu========== password
iwAw=
M'j=_
4iu========== is
b~==P
ED=Fpe
,=fX
x=f+
O=6pF
=do%
:26=
========== G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s
=@dZ
u-;=
=#U?
2BEK=q
@!6=
```

--------------------------THE END--------------------------