



AMRITA
VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY

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 :

GUNDE ELIJAJER

CSE-A

CH.EN.U4CSE20027

LEVEL 0:-

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

bandit

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

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

OverTheWire.org
www.OverTheWire.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!

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!

```
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.
```

LEVEL 2:

```
eliyajerg20027@eliyajerg20027-VirtualBox:~/Desktop$ ssh bandit2@bandit.labs.ow  
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:

```
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

```
connection to bandit.labs.overthewire.org closed.  
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
```

WELCOME

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

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

OVER

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
```

bandit

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

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

bandit

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
```

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85															

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 PzEjqrwSvMhC05Xlql0mlQevGyoLuyCw
precipitants AfyTYB7r9WJ8TMuQsxFsy3R6f4hPupHj
burnishing WUceGwznWhEhEhdrZTEdN442JM5lQLBi
codependents umfvVru8q6fDcDaR5fFls8T7U8aqVF7Z
Sylvie's CqP2HlEV7HesWHXz0B7XH2Fzkn04LN53
quaaffing pazr1FRMyGv2KwGoIUJYGa1jS50X4H0
flypaper's oFi6GP1v9qyJNAjbl273tlcDUMBDRf7E
suing TEAxmxBmMPB2HEEMFdEY4VHGrFP6C0Ec
airdropped UCQC0Bcr3JahbdyfHoat0SDvC95v7J97
oxyacetylene FY9fMziXbseKQtqX0QvLSD0MufK0i8UV
unbelief's B5avMsUGjQzlyl2yfHAF0r1S2h4RLkT9
loath qPdILDdfU0w04RmNkViS10oybkoYIUC0
Grover's yLMDMwo1CMsXLt7iClSmIR4mUQ2TCh8k
Agassiz 4YUy7dcLXovPZOubd4M0sWgld00qjB6P
ambushes NXsQvQgPhGM0iB8Ib0y0TshuhcuKCOFD
tyrannizes MstMwUMVi9WbH1a2yENSKoy9ndsrls0l
revivifying F35WseMsqFWELVa09li2iZw24Xw0R5Cx
pasteurizing kFcmSi4Nghwx6IriURK0yPRFmVbPoUjK
Barnabas WgBcVysF7InhvJP0If0zreupigCc320S
Nova's AZb10Fgy95L3fvBIjDb40eR5y106RZtM
billies zLLFU9phCQ1N98lg6UNWQzvlKfm5XiZS
quadrupling tFfhjb3Yt0LU1qPiv7aIK6GY6ImzTcr3
castration 3lKYNdZ0me5cAedyT60n8PDs7wHcl03A

```

```

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:

Figure 1 consists of three sub-diagrams labeled (a), (b), and (c). Diagram (a) shows a 2D grid of points connected by lines, forming a series of triangles. Diagram (b) shows the same grid being lifted into a 3D space, with points moving along vertical lines. Diagram (c) shows the final 3D surface, which is a series of triangles connected together, forming a continuous surface.

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
6hXvdZamDJFnfKX808UZPVjZpjeqeq6M
zJmXl1uLmwGC7r6mhGj1MJ0WEepnHSoT
RJizoPEBRhVuM5dF8NbRoUACFgCYxAbY
QrMLTTEu3KGuydS2w9FLTTLzuRldf6f6
B3E7u3CYUKsHrS3FL40xwnQ8mV41JsmC
h44iM4fCazdJGLR3i40GaSR6FtyGmd40
```

[illegible]

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

```
1 EN632PlfYiZbn3PhVK3XOGSlNInNE00t
```

LEVEL 9:

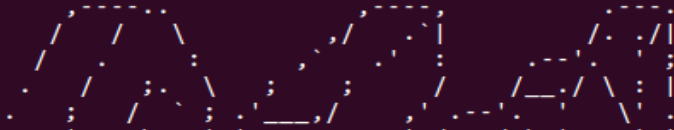
[illegible][illegible]

```
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:

[illegible][illegible]

```
bandit9@bandit:~$ strings data.txt | grep "="
=id6
===== the
g0=89
5+&R=
V>%=
bu===== password
iWAw=
M'j=_
4iu===== is
b~==P
ED=Fpe
,=fX
x=f+
0=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
```

1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	42	42	43	43	44	44	45	45	46	46	47	47	48	48	49	49	50	50	51	51	52	52	53	53	54	54	55	55	56	56	57	57	58	58	59	59	60	60	61	61	62	62	63	63	64	64	65	65	66	66	67	67	68	68	69	69	70	70	71	71	72	72	73	73	74	74	75	75	76	76	77	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	87	87	88	88	89	89	90	90	91	91	92	92	93	93	94	94	95	95	96	96	97	97	98	98	99	99	100	100	101	101	102	102	103	103	104	104	105	105	106	106	107	107	108	108	109	109	110	110	111	111	112	112	113	113	114	114	115	115	116	116	117	117	118	118	119	119	120	120	121	121	122	122	123	123	124	124	125	125	126	126	127	127	128	128	129	129	130	130	131	131	132	132	133	133	134	134	135	135	136	136	137	137	138	138	139	139	140	140	141	141	142	142	143	143	144	144	145	145	146	146	147	147	148	148	149	149	150	150	151	151	152	152	153	153	154	154	155	155	156	156	157	157	158	158	159	159	160	160	161	161	162	162	163	163	164	164	165	165	166	166	167	167	168	168	169	169	170	170	171	171	172	172	173	173	174	174	175	175	176	176	177	177	178	178	179	179	180	180	181	181	182	182	183	183	184	184	185	185	186	186	187	187	188	188	189	189	190	190	191	191	192	192	193	193	194	194	195	195	196	196	197	197	198	198	199	199	200	200	201	201	202	202	203	203	204	204	205	205	206	206	207	207	208	208	209	209	210	210	211	211	212	212	213	213	214	214	215	215	216	216	217	217	218	218	219	219	220	220	221	221	222	222	223	223	224	224	225	225	226	226	227	227	228	228	229	229	230	230	231	231	232	232	233	233	234	234	235	235	236	236	237	237	238	238	239	239	240	240	241	241	242	242	243	243	244	244	245	245	246	246	247	247	248	248	249	249	250	250	251	251	252	252	253	253	254	254	255	255	256	256	257	257	258	258	259	259	260	260	261	261	262	262	263	263	264	264	265	265	266	266	267	267	268	268	269	269
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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 ]--
```

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!

```
bandit10@bandit:~$ cat data.txt
VghLIHBhc3N3b3JkIGlzIDZ6UGV6aUxkuJSS05kTllGTmI2blZDS3pwaGxYSEJNCg==
try: open('encrypted_flag.txt', 'w')
```

```
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.overthewire.org -p 2220
```

[_ _ _ _ _] [_ _ _ _ _]
 [D \ C \ A \] [_ _ _ _ _]
 [_ _ _ _ _] [_ _ _ _ _]
 [. \ _ ,] [_ _ _ _ _]

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 WIA00SFzMjXXBC0KoSKBbJ8puQm5lIEi
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

☒ upper case

☐ chars Rotate numbers

Amount 13

Input

length: 48
lines: 1

Gur cnffjbeq vf
WIA00SFzMjXXBC0KoSKBbJ8puQm5lIEi

start: 15
length: 48
length: 33

time: 4ms
length: 48
lines: 1

Output

The password is
JVNBBSmZwKKOP0XbFX0ow8chDz5yVRv

Level-12

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

bandit12

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

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

bandit12

```
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 wbWdlBxEir4CaE8LaPhauu0o6pwRmrDw
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.overthewire.org -p 2220
```

bandit13

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

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

bandit13

```
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_hosts).

Level-14

```
elijajerg20027@elijajerg20027-VirtualBox:~$ ssh bandit14@bandit.labs.overthewire.org -p 2220
```

[1] [2] [3] [4] [5] [6] [7] [8] [9] [10]
 [D] [C] [A] [C] [C] [C] [C] [C] [C] [C]
 [./_,] [./_,] [./_,] [./_,] [./_,] [./_,] [./_,] [./_,] [./_,] [./_,]

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	a680ht.#@.....
000000b0:	d0c8	0190	d034	0340	0d00	c800	01a6	991a4.@.....
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	a2daN.....
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{0;...;...\$..H

Level-15:-

```
eliyajerg20027@eliyajerg20027-VirtualBox:~$ ssh bandit15@bandit.labs.overthewire.org -p 2220
```

OverTheWire

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

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

```
=id6
===== the
g0=89
5+&R=
V>%=
bu===== password
iwAw=
M'j=_
4iu===== is
b~==P
ED=Fpe
,=fX
x=f+
0=6pF
=do%
:26=
===== G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s
=@dZ
u-;=
=#U?
2BEK=q
@16=
```

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