Simone Tartaglia

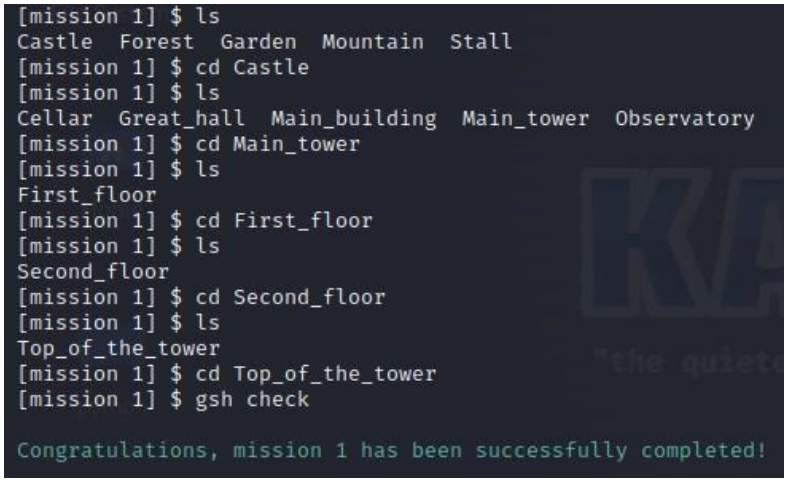
Progetto 2

Dopo aver eseguito gli update ed installato il gioco “gameshell.sh” eseguendo i comandi:

Missione 1

Eseguo il comando gsh goal per vedere cosa richiede la missione

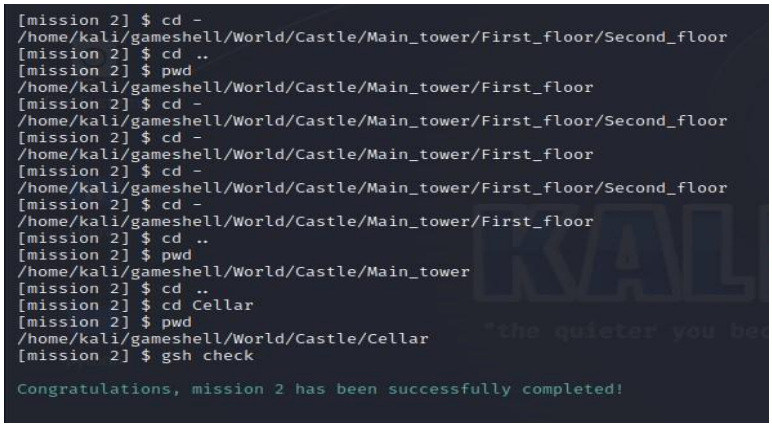
Eseguo il comando cd per sopstarmi tra le varie directory e ls per vedere cosa c’è all’interno di ogni directory quindi dalla cartella “World” mi sposto fino ad arrivare alla cartella “Top_of_the_tower”.



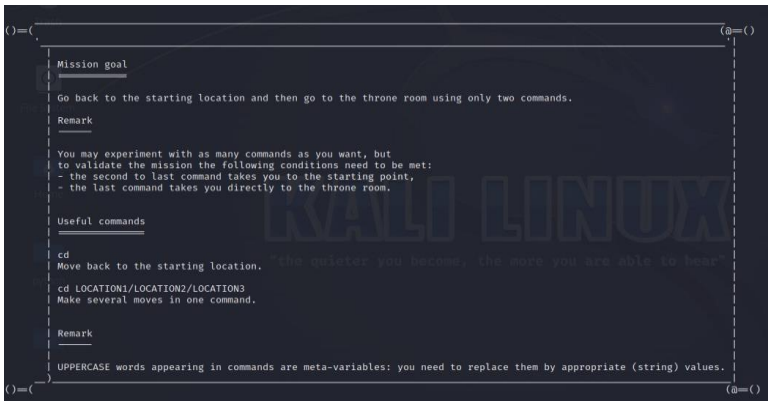
Missione 2

“ gsh goal” per gli obbiettivi

Uso il comando “cd –“ per ritornare alla cartella dove mi trovavo prima dello spostamento. “cd ..” per ritornare alla cartella sopra rispetto a quella in cui mi trovo.

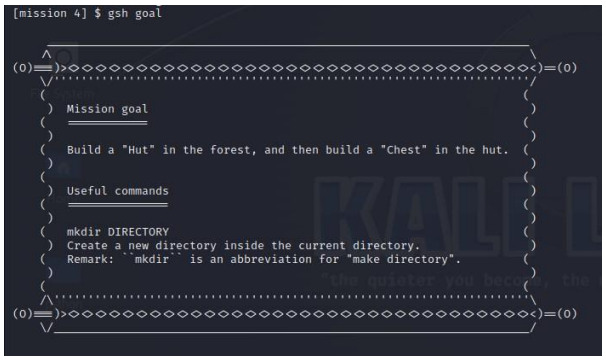


Missione 3



Comando “cd” per ritornare alla cartella iniziale e poi “cd” seguito dal percorso per andare alla “sala del trono”.

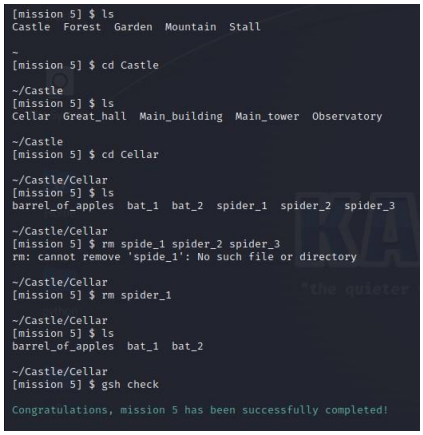
Missione 4



Creo la cartella “Hut” in “Forest” e dentro creo un’altra cartella di nome “Chest”

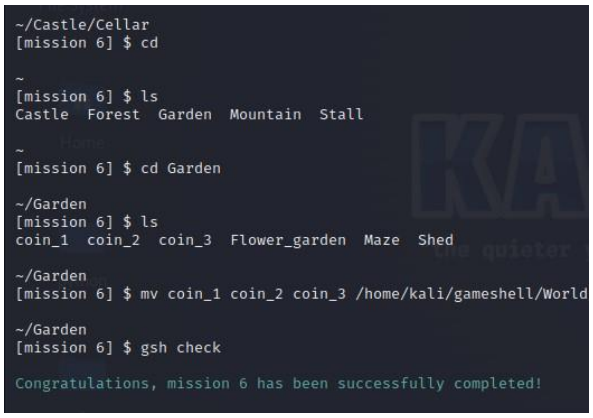
Missione 5

Rimuovo gli elementi con il comando “rm”



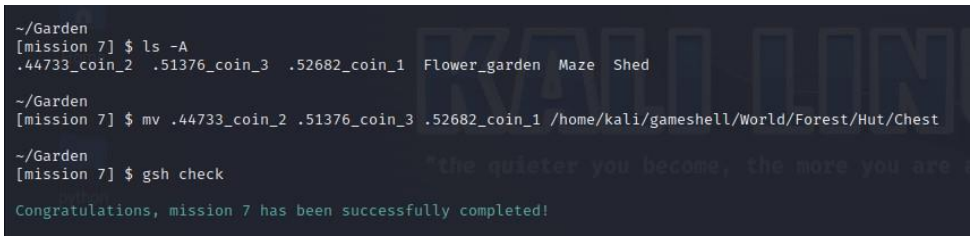
Missione 6

Con il comando “mv” sposto i file, mv + i file che voglio spostare + il percorso dove voglio spostare i file

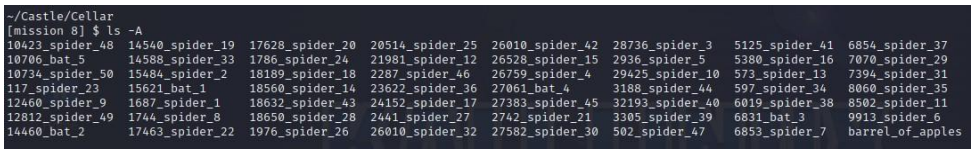


Missione 7

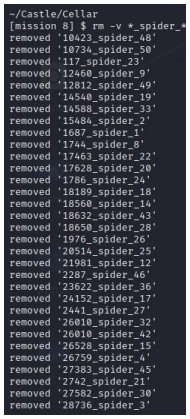
“ls –A” per vedere tutti i file anche quelli nascosti e “mv”per spostare le coin nascoste nella directory “Chest”.



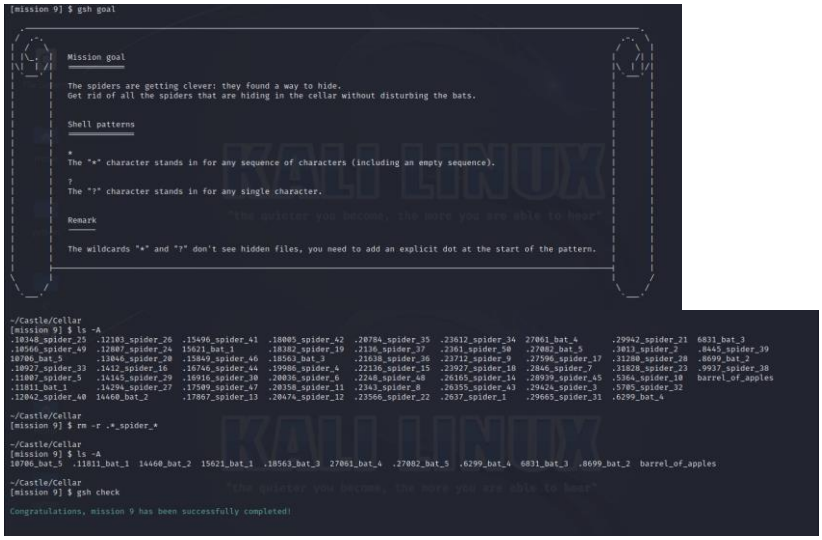
Missione 8



Dopo aver eseguito “ls –A” per trovare tutti i ragni nascosti eseguo il comando “rm –v *_spider_*” per rimuovere tutti i ragni in una volta senza rimuoverli uno ad uno.



Missione 9

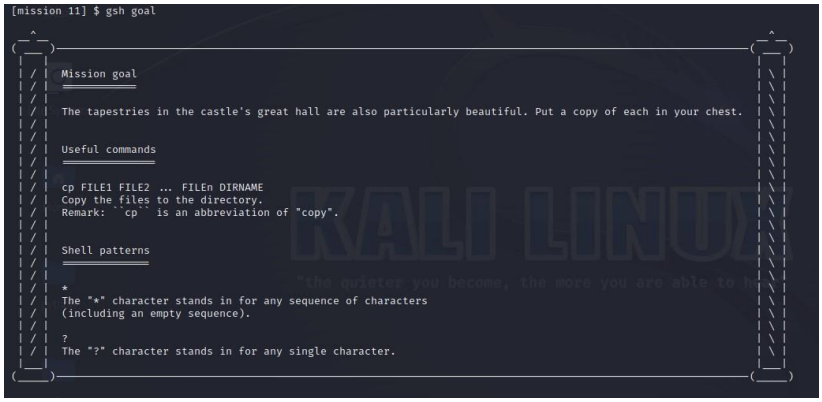


Come nella missione 8 eseguo il comando “rm –r” però prima del nome del file da eliminare inserisco un punto per eliminare i file nascosti.

Missione 10

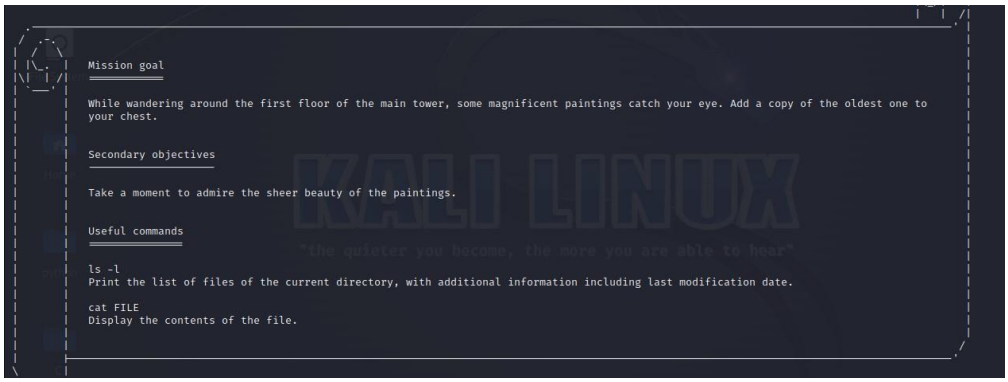
Copio con il comando “cp” gli standard nella directory “Chest”

Missione 11

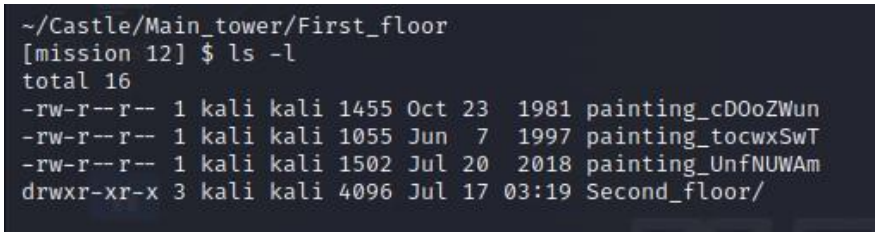


Faccio la copia di tutti i “tapestry” eseguendo il comando “cp *_tapestry_*” + il percorso dove si vuole copiare.

Missione 12



“ls –l” per vedere tutti i file all’interno della directory con tutte le informazione come data di modifica e permessi.



Copia del file

“cat” per vedere il contenuto del file.

Missione 13

```
[mission 13] $ gsh goal

()=(                                                                    (@=()
    '_____________________________________________________________________'|
      |                                                                    |
      | Mission goal                                                       |
      | ============                                                       |
      |                                                                    |
      | Nostradamus predicted a spectacular star conjunction on the 05-22-1997. |
      | But what will the day of the week be on that date?                |
      |                                                                    |
      | When you have it, run the command ``gsh check``.                   |
      |                                                                    |
      |                                                                    |
      | Useful commands                                                    |
      | ===============                                                    |
      |                                                                    |
      | cal                                                                |
      | Print a calendar for the current month.                            |
      |                                                                    |
      | cal YEAR                                                           |
      | Print a calendar for the given year.                               |
     __)____________________________________________________________________|
()=(                                                                    (@=()
    '_____________________________________________________________________'
```

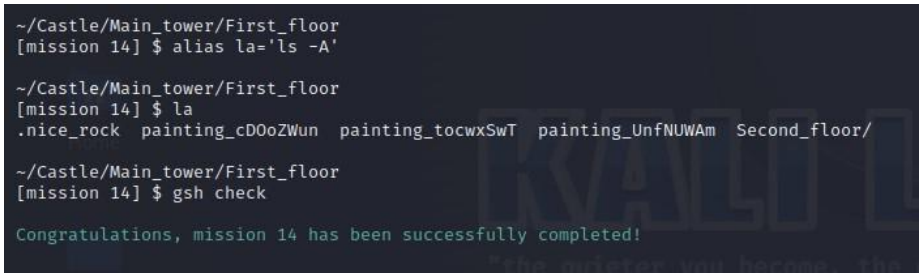
Uso “cal 1997” per vedere il calendario dell’anno cosi da sapere il giorno rischiesto negli obbiettivi.

```
[mission 13] $ cal 1997
                                1997
      January                 February                March
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
          1  2  3  4                     1                     1
 5  6  7  8  9 10 11   2  3  4  5  6  7  8   2  3  4  5  6  7  8
12 13 14 15 16 17 18   9 10 11 12 13 14 15   9 10 11 12 13 14 15
19 20 21 22 23 24 25  16 17 18 19 20 21 22  16 17 18 19 20 21 22
26 27 28 29 30 31     23 24 25 26 27 28     23 24 25 26 27 28 29
                                            30 31

       April                   May                    June
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
       1  2  3  4  5                 1  2  3   1  2  3  4  5  6  7
 6  7  8  9 10 11 12   4  5  6  7  8  9 10   8  9 10 11 12 13 14
13 14 15 16 17 18 19  11 12 13 14 15 16 17  15 16 17 18 19 20 21
20 21 22 23 24 25 26  18 19 20 21 22 23 24  22 23 24 25 26 27 28
27 28 29 30           25 26 27 28 29 30 31  29 30

        July                  August                September
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
       1  2  3  4  5                    1  2      1  2  3  4  5  6
 6  7  8  9 10 11 12   3  4  5  6  7  8  9   7  8  9 10 11 12 13
13 14 15 16 17 18 19  10 11 12 13 14 15 16  14 15 16 17 18 19 20
20 21 22 23 24 25 26  17 18 19 20 21 22 23  21 22 23 24 25 26 27
27 28 29 30 31        24 25 26 27 28 29 30  28 29 30
                      31

      October                November               December
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
          1  2  3  4                     1      1  2  3  4  5  6
 5  6  7  8  9 10 11   2  3  4  5  6  7  8   7  8  9 10 11 12 13
12 13 14 15 16 17 18   9 10 11 12 13 14 15  14 15 16 17 18 19 20
```

```
~/Castle/Main_tower/First_floor
[mission 13] $ gsh check
What was the day of the week for the 05-22-1997?
  1 : Monday
  2 : Tuesday
  3 : Wednesday
  4 : Thursday
  5 : Friday
  6 : Saturday
  7 : Sunday
Your answer: 4

Congratulations, mission 13 has been successfully completed!
```

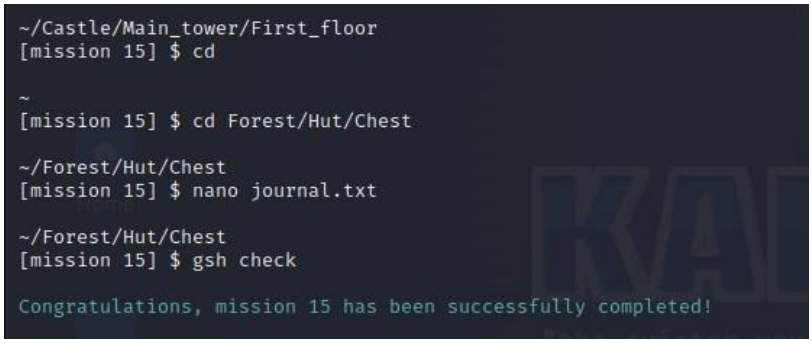
Missione 14

Con il comando “alias” sostituisco il comando “ls –A” con il comando più rapido “la”



Missione 15

Prima mi sposto nella cartella “Chest” poi creo il file journal.txt con il comando “nano”

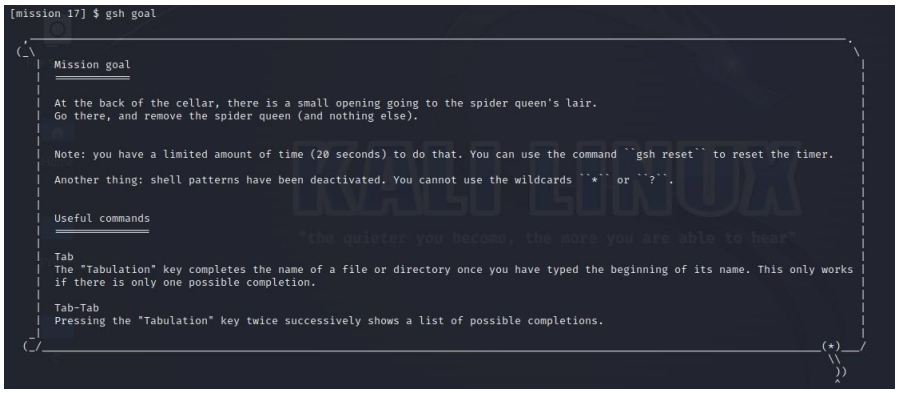


Missione 16

Sostituisco il comando “nano percorso_file” con journal tramite comando alias.

```
~/Forest/Hut/Chest
[mission 16] $ alias journal='nano /home/kali/gameshell/World/Forest/Hut/Chest/journal.txt'

~/Forest/Hut/Chest
[mission 16] $ journal

~/Forest/Hut/Chest
[mission 16] $ gsh check

Congratulations, mission 16 has been successfully completed!
```

Missione 17

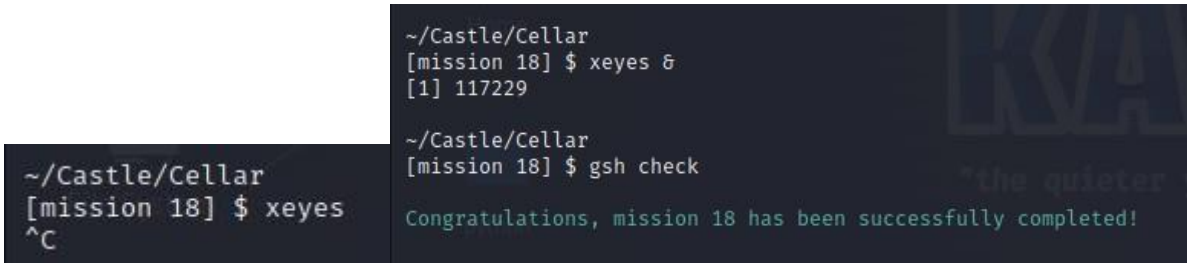


Dopo essermi spostato nella cella del castello uso il comando “cd” seguito dalle prime lettere e con il tasto “Tab” compilo tutto il nome in automatico sena compilarlo tutto a mano.

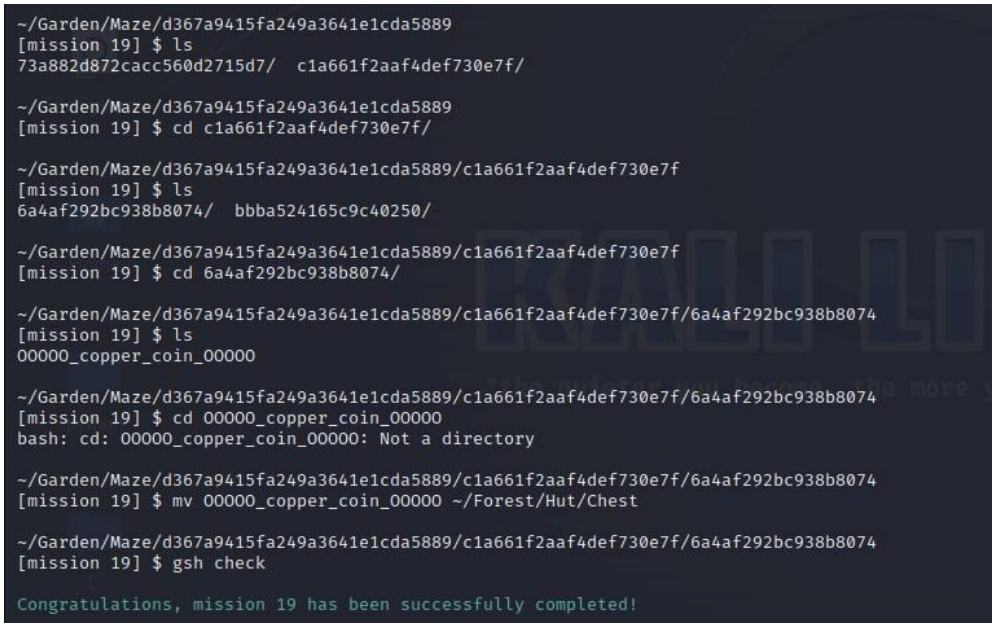
```
~/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ xDbSUPoMnYXzRmVu MZKdmOfsiXUrSeHe/

~/Castle/Cellar/.Lair_of_the_spider_queen xDbSUPoMnYXzRmVu MZKdmOfsiXUrSeHe
[mission 17] $ la
aIaZkBoOlOTUIiJB_baby_bat_ZnVqMchcbkCUfbeK  NrNxnbPgaiouSYQA_spider_queen_WByLKvqWXcmFkGPN

~/Castle/Cellar/.Lair_of_the_spider_queen xDbSUPoMnYXzRmVu MZKdmOfsiXUrSeHe
[mission 17] $ rm -r NrNxnbPgaiouSYQA_spider_queen_WByLKvqWXcmFkGPN

~/Castle/Cellar/.Lair_of_the_spider_queen xDbSUPoMnYXzRmVu MZKdmOfsiXUrSeHe
[mission 17] $ gsh check
Perfect, it took you only 18 seconds to complete this mission!

Congratulations, mission 17 has been successfully completed!
```

Missione 18

Con il comando “xeyes” apro il processo che segue il movimento del muose e con il comando “xeyes &”lo metto in background.



Missione 19



Missione 20

“ls –R” per vedere tutte le directory con le varie sub-directory e il comando “tree” per vedere le directory con i vari livelli del percorso.

```
~/Garden/Maze
[mission 20] $ ls -R
.:
761f4cc4af9bf06/  85fc9e4b862f748a88766f9/  e0017aadf1f42335746682752c91a3/

./761f4cc4af9bf06:
4564e88dd403c5b163/  f6e2a4c2a047a/  f98329cd5a0db0/

./761f4cc4af9bf06/4564e88dd403c5b163:
4500a5c6a06c/  ac1cb01b35ec/  d894d073232fee6fbef23/

./761f4cc4af9bf06/4564e88dd403c5b163/4500a5c6a06c:

./761f4cc4af9bf06/4564e88dd403c5b163/ac1cb01b35ec:

./761f4cc4af9bf06/4564e88dd403c5b163/d894d073232fee6fbef23:

./761f4cc4af9bf06/f6e2a4c2a047a:
39b49e5a6d0a1782fe9e8dbe3/  5fece0349a0c9d1f672f45a9/  9e07f9b9b4fac893/

./761f4cc4af9bf06/f6e2a4c2a047a/39b49e5a6d0a1782fe9e8dbe3:

./761f4cc4af9bf06/f6e2a4c2a047a/5fece0349a0c9d1f672f45a9:

./761f4cc4af9bf06/f6e2a4c2a047a/9e07f9b9b4fac893:

./761f4cc4af9bf06/f98329cd5a0db0:
699d3863d325d30c9ed1549/  e6c345119/  fe35883a0f9b2d1f9d6580e63/

./761f4cc4af9bf06/f98329cd5a0db0/699d3863d325d30c9ed1549:

./761f4cc4af9bf06/f98329cd5a0db0/e6c345119:
```

```
[mission 20] $ tree
.
├── 761f4cc4af9bf06
│   ├── 4564e88dd403c5b163
│   │   ├── 4500a5c6a06c
│   │   ├── ac1cb01b35ec
│   │   └── d894d073232fee6fbef23
│   ├── f6e2a4c2a047a
│   │   ├── 39b49e5a6d0a1782fe9e8dbe3
│   │   ├── 5fece0349a0c9d1f672f45a9
│   │   └── 9e07f9b9b4fac893
│   └── f98329cd5a0db0
│       ├── 699d3863d325d30c9ed1549
│       ├── e6c345119
│       └── fe35883a0f9b2d1f9d6580e63
├── 85fc9e4b862f748a88766f9
│   ├── 30cc60f44cab65fdd7
│   │   ├── 4d29a4b72bbe
│   │   ├── 59b847a0cd780496045b9f8e
│   │   └── 7f31231c68300b3e173f7f15a5
│   ├── d5fd4088e
│   │   ├── 6f688aa9cdcbc0f5ab42cdbc
│   │   ├── 98e71a361eac2fa86d9064278971
│   │   └── bde254d51111ca081925a824689c
│   └── daf52ed9bd4f1cf999c5448d9335
│       ├── 5163fe768b1
│       ├── 7c52309e8c1d5174330dc03b7c5d7f7
│       └── fd0f8dadb8e6be9e252b6413f
│           └── OOOOO_silver_coin_OOOOO
└── e0017aadf1f42335746682752c91a3
    ├── 751adb83155bb148ffed
    │   ├── 407169ac4a9c9d758729
    │   ├── a7e9e6be
    │   └── d4f0797cd711fca
    ├── cb5b2106d88aa95929239bb28fe
```

```
~/Garden/Maze/85fc9e4b862f748a88766f9
[mission 20] $ cd daf52ed9bd4f1cf999c5448d9335/

~/Garden/Maze/85fc9e4b862f748a88766f9/daf52ed9bd4f1cf999c5448d9335
[mission 20] $ ls
5163fe768b1/  7c52309e8c1d5174330dc03b7c5d7f7/  fd0f8dadb8e6be9e252b6413f/

~/Garden/Maze/85fc9e4b862f748a88766f9/daf52ed9bd4f1cf999c5448d9335
[mission 20] $ cd fd0f8dadb8e6be9e252b6413f/

~/Garden/Maze/85fc9e4b862f748a88766f9/daf52ed9bd4f1cf999c5448d9335/fd0f8dadb8e6be9e252b6413f
[mission 20] $ ls
OOOOO_silver_coin_OOOOO

~/Garden/Maze/85fc9e4b862f748a88766f9/daf52ed9bd4f1cf999c5448d9335/fd0f8dadb8e6be9e252b6413f
[mission 20] $ mv OOOOO_silver_coin_OOOOO ~/Forest/Hut/Chest

~/Garden/Maze/85fc9e4b862f748a88766f9/daf52ed9bd4f1cf999c5448d9335/fd0f8dadb8e6be9e252b6413f
[mission 20] $ gsh check

Congratulations, mission 20 has been successfully completed!
```

Missione 21

```
~/Garden/Maze
[mission 21] $ find . -type f -iname *gold*
./448da33cf3a111db06956c7c/14c099442fb2b0cdd24f15d/6fb45172/GolD_CoiN_2
./99bc0544c0740ee3/75a4c52a9/0a09c5301d3dc49/gold_coin_1

~/Garden/Maze
[mission 21] $ mv ./448da33cf3a111db06956c7c/14c099442fb2b0cdd24f15d/6fb45172/GolD_CoiN_2 ~/Forest/Hut/Chest

~/Garden/Maze
[mission 21] $ mv ./99bc0544c0740ee3/75a4c52a9/0a09c5301d3dc49/gold_coin_1 ~/Forest/Hut/Chest

~/Garden/Maze
[mission 21] $ cd ~/Forest/Hut/Chest

~/Forest/Hut/Chest
[mission 21] $ ls
11834_tapestry_03  32273_tapestry_05  50003_tapestry_09  61365_tapestry_06  coin_3       journal.txt              painting_cDOoZWun  standard_3
15142_tapestry_07  33908_tapestry_02  50086_tapestry_01  coin_1             gold_coin_1  OOOOO_copper_coin_OOOOO  standard_1         standard_4
27927_tapestry_08  37411_tapestry_10  53451_tapestry_04  coin_2             GolD_CoiN_2  OOOOO_silver_coin_OOOOO  standard_2

~/Forest/Hut/Chest
[mission 21] $ gsh check

Congratulations, mission 21 has been successfully completed!
```

Missione 22 il comando “head”

```
~/Mountain/Cave
[mission 22] $ cat servillus
a86d669be5bdbecdc595e36161c292ab2bef7983@18812
```

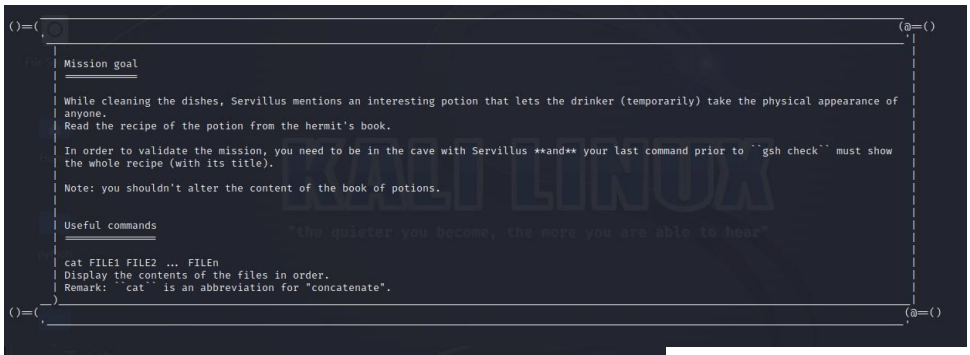
```
~/Mountain/Cave/Book_of_potions
[mission 22] $ cd ..

~/Mountain/Cave
[mission 22] $ head -6 Book_of_potions/page_07
Herbal tea
──────────

1) Boil water.
2) Add herbs from the forest.
3) Let it sit for five minutes and drink while hot.

~/Mountain/Cave
[mission 22] $ gsh check

Congratulations, mission 22 has been successfully completed!
```

Mission 23 “Il comando “tail”

```
Mission goal
════════════

The old man seems to enjoy your company very much. He invites you to stay for supper, and starts preparing a delicious stew for the both
of you. While getting the cauldron ready he asks for your help.
Read him the steps of the recipe from his book.

In order to validate the mission, you need to be in the cave with Servillus **and** last command prior to ``gsh check`` must show the
steps of the recipe (without its title).

Note: you shouldn't alter the content of the book of potions.


Useful commands
═══════════════

cat FILE
Display the contents of the file.

tail FILE
Print the last 10 lines of the file.

tail -n K FILE
Print the last K lines of the file.
```

```
~/Mountain/Cave
[mission 23] $ cat Book_of_potions/table_of_contents
1. Transformation potion ──────────────────── pages 1-2
2. Elixir of youth ────────────────────────── pages 3-4
3. Philter of love ──────────────────────────── page 5
4. Bottled death (powerful poison) ──────────── page 6
5. Herbal tea ───────────────────────────────── page 7
6. Draft of invisibility ──────────────────── pages 7-8
7. Homeopathic healing potion (part 1) ────── pages 8-9
8. Homeopathic healing potion (part 2) ─────── page 10
9. Homeopathic healing potion (part 3) ─────── page 11
10. Toadstool stew ──────────────────────────── page 12
11. Distilled water ─────────────────────────── page 13
12. King's ale ──────────────────────────────── Page 13

~/Mountain/Cave
[mission 23] $ tail -9 Book_of_potions/page_12
1) Boil water in a cauldron.
2) Add in a few death caps (Amanita phalloides).
3) Also add a few fly agarics (Amanita muscaria).
4) And some destroying angels (Amanita virosa).
5) Mix in a few deadly webcaps (Cortinarius rubellus).
6) Feel free to add in any colourful fungi you have on hand.
7) Let half of the water evaporate.
8) Season with a pinch of salt and a few herbs.
9) Serve hot in a bowl.

~/Mountain/Cave
[mission 23] $ gsh check

Congratulations, mission 23 has been successfully completed!
```

Mission 24

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~/Mountain/Cave
[mission 24] $ cat Book_of_potions/table_of_contents
1. Transformation potion ———————————————— pages 1-2
2. Elixir of youth ——————————————————— pages 3-4
3. Philter of love ——————————————————— page 5
4. Bottled death (powerful poison) ——————— page 6
5. Herbal tea ————————————————————— page 7
6. Draft of invisibility ————————————— pages 7-8
7. Homeopathic healing potion (part 1) ———— pages 8-9
8. Homeopathic healing potion (part 2) ———— page 10
9. Homeopathic healing potion (part 3) ———— page 11
10. Toadstool stew ——————————————————— page 12
11. Distilled water ——————————————————— page 13
12. King's ale ————————————————————— Page 13
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~/Mountain/Cave
[mission 24] $ cat Book_of_potions/page_01 Book_of_potions/page_02
Transformation potion
——————————————————

1) Boil water in a cauldron.
2) Add 3 measures of fluxweed to the cauldron.
3) Add 2 bundles of knotgrass to the cauldron.
4) Stir 4 times, clockwise.
5) Wave your wand then let potion brew for 80 minutes.
6) Add 4 leeches to the cauldron.
7) Crush 2 scoops of lacewing flies to a fine paste.
8) Add 2 measures of the crushed lacewings to the cauldron.
9) Heat for 30 seconds on a low heat.
10) Add 3 measures of boomslang skin to the cauldron.
11) Crush a bicorn horn into a fine powder.
12) Add 1 measure of the crushed horn to the cauldron.
13) Heat for 20 seconds at a high temperature.
14) Wave your wand then let potion brew for 24 hours.
15) Add 1 additional scoop of lacewings to the cauldron.
16) Stir 3 times, counter-clockwise.
17) Split potion into multiple doses, if desired.
18) Add a pieces of the person you wish to become.
19) Wave your wand to complete the potion.

~/Mountain/Cave
[mission 24] $ gsh check

Congratulations, mission 24 has been successfully completed!
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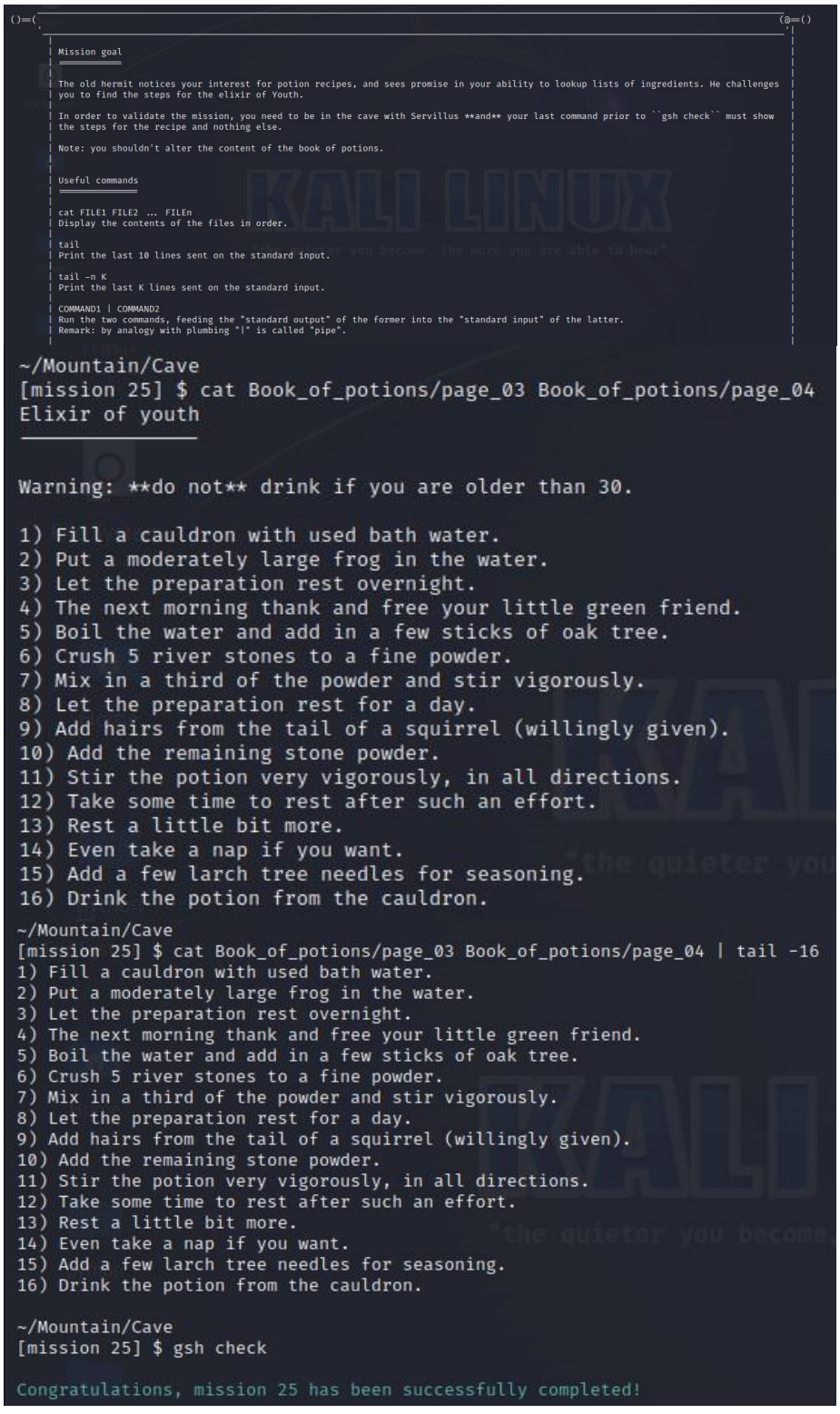
Mission 25


Mission goal
The old hermit notices your interest for potion recipes, and sees promise in your ability to lookup lists of ingredients. He challenges you to find the steps for the elixir of Youth.
In order to validate the mission, you need to be in the cave with Servillus **and** your last command prior to ``gsh check`` must show the steps for the recipe and nothing else.
Note: you shouldn't alter the content of the book of potions.
Useful commands
cat FILE1 FILE2 ... FILEn
Display the contents of the files in order.
tail
Print the last 10 lines sent on the standard input.
tail -n K
Print the last K lines sent on the standard input.
COMMAND1 | COMMAND2
Run the two commands, feeding the "standard output" of the former into the "standard input" of the latter.
Remark: by analogy with plumbing "|" is called "pipe".
~/Mountain/Cave
[mission 25] $ cat Book_of_potions/page_03 Book_of_potions/page_04
Elixir of youth
Warning: **do not** drink if you are older than 30.
1) Fill a cauldron with used bath water.
2) Put a moderately large frog in the water.
3) Let the preparation rest overnight.
4) The next morning thank and free your little green friend.
5) Boil the water and add in a few sticks of oak tree.
6) Crush 5 river stones to a fine powder.
7) Mix in a third of the powder and stir vigorously.
8) Let the preparation rest for a day.
9) Add hairs from the tail of a squirrel (willingly given).
10) Add the remaining stone powder.
11) Stir the potion very vigorously, in all directions.
12) Take some time to rest after such an effort.
13) Rest a little bit more.
14) Even take a nap if you want.
15) Add a few larch tree needles for seasoning.
16) Drink the potion from the cauldron.
~/Mountain/Cave
[mission 25] $ cat Book_of_potions/page_03 Book_of_potions/page_04 | tail -16
1) Fill a cauldron with used bath water.
2) Put a moderately large frog in the water.
3) Let the preparation rest overnight.
4) The next morning thank and free your little green friend.
5) Boil the water and add in a few sticks of oak tree.
6) Crush 5 river stones to a fine powder.
7) Mix in a third of the powder and stir vigorously.
8) Let the preparation rest for a day.
9) Add hairs from the tail of a squirrel (willingly given).
10) Add the remaining stone powder.
11) Stir the potion very vigorously, in all directions.
12) Take some time to rest after such an effort.
13) Rest a little bit more.
14) Even take a nap if you want.
15) Add a few larch tree needles for seasoning.
16) Drink the potion from the cauldron.
~/Mountain/Cave
[mission 25] $ gsh check
Congratulations, mission 25 has been successfully completed!