

## D.8 Kali Linux

Iniziamo il gioco appena installato:

```
(kali㉿kali)-[~]  
$ bash gameshell.sh
```

```
GameShell
```

```
File System
```

```
Press Enter to continue.
```

```

Welcome to GameShell!
Using and administering a computer running a Unix-like operating system (e.g., Linux, BSD or macOS) requires using a command line interface called 'shell'. In this game you will learn how to use the shell
by Journeying through Various missions that will teach you to perform standard tasks such as:
- creating directories,
- creating, viewing and editing files,
- searching for files satisfying certain criteria,
- running and interrupting programs,
- etc.
During your adventure you will need to visit locations, interact with people, and find various objects. However, you have to keep in mind that these are standard directories, programs, and files (often
with random contents). So, for example:
- "build a hut" means creating a directory called "Hut", and
- "put a coin in your chest" means moving a file called 'coin' to a directory called "Chest".
Press Enter to continue.
```

```

| Trash |
|-----|
| Run the command |
| $ gsh goal      |
| to discover your first mission. |
|
| You can check the mission has been completed with |
| $ gsh check     |
|
| The command     |
| $ gsh help      |
| displays the list of available (gsh) commands. |
|-----|
| Home |
[mission 1] $ gsh goal
```

```
[mission 1] $ gsh goal
```

```
(\
  Mission goal

  Go to the top of the main tower of the castle.

  Useful commands

  cd LOCATION
  Move to the given location.
  Remark: `cd` is an abbreviation for "change directory".

  pwd
  Show the path to your current location.
  Remark: `pwd` is an abbreviation for "print working directory".

  ls
  Show a list of locations that are currently accessible.
  Remark: `ls` is an abbreviation of "list".

  gsh check
  Check if the mission objective has been achieved.

  gsh reset
  Restart the mission from the beginning.

  Remarks

  UPPERCASE words appearing in commands are meta-variables: you need to replace them by appropriate (string) values.
  Most filesystems treat uppercase and lowercase characters differently. Make sure you use the correct path.
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)
(*)
))
^
```

```
command p...
[mission 1] $
```

```
[mission 1] $ pwd
/home/kali/gameshell/World
[mission 1] $ ls
Castle Forest Garden Mountain Stall
[mission 1] $ cd Castle/
[mission 1] $ ls
Cellar Great_hall Main_building Main_tower Observatory
[mission 1] $ cd Main_tower
[mission 1] $ ls
First_floor
[mission 1] $ cd First_floor
[mission 1] $ ls
Second_floor
[mission 1] $ cd Second_floor
[mission 1] $ ls
Top_of_the_tower
[mission 1] $ cd Top_of_the_tower
[mission 1] $ ls
[mission 1] $ gsh check
```

Congratulations, mission 1 has been successfully completed!

```
| programmi... |
--+-----+--
| Use the command |
| $ gsh help |
| to get the list of "gsh" commands. |
--+-----+--
|
command p...
[mission 2] $
```

Livello 2:

```
[mission 2] $ gsh goal
```

```

Mission goal
-----
Go the castle's cellar.

Secondary objective
-----
Understand the difference between ``cd -`` and ``cd ..``.

Useful commands
-----
cd -
Jump back to the location you were in prior to your last move.

cd ..
Move to the parent directory (one step back along the path to your current location).

pwd
See the path to your current location.

```

```

[mission 2] $ pwd
/home/kali/gameshell/World/Castle/Main_tower/First_floor/Second_floor/Top_of_the_tower
[mission 2] $ cd ../../..
[mission 2] $ pwd
/home/kali/gameshell/World/Castle/Main_tower
[mission 2] $ ls
First_floor
[mission 2] $ cd ..
[mission 2] $ ls
Cellar Great_hall Main_building Main_tower Observatory
[mission 2] $ cd Cellar
[mission 2] $ gsh check

Congratulations, mission 2 has been successfully completed!

| program |
--+-----+--
| Use the command |
| $ gsh help |
| to get the list of "gsh" commands. |
--+-----+--
|
| command |
--+-----+--
[mission 3] $

```

Livello 3:

```
[mission 3] $ gsh goal
Home
()=(
Mission goal
Go back to the starting location and then go to the throne room using only two commands.
Remark
You may experiment with as many commands as you want, but
to validate the mission the following conditions need to be met:
- the second to last command takes you to the starting point,
- the last command takes you directly to the throne room.
Useful commands
cd
Move back to the starting location.
cd LOCATION1/LOCATION2/LOCATION3
Make several moves in one command.
Remark
UPPERCASE words appearing in commands are meta-variables: you need to replace them by appropriate (string) values.
()=(
[mission 3] $ 
[mission 3] $ pwd
/home/kali/gameshell/World/Castle/Main_building/Throne_room
[mission 3] $ cd
[mission 3] $ cd /home/kali/gameshell/World/Castle/Main_building/Throne_room
[mission 3] $ gsh check
Home
Congratulations, mission 3 has been successfully completed!

Well done!!!

From now on, the current location will be shown just before the command prompt.

jgs
|
| Use the command
| $ gsh help
| to get the list of "gsh" commands.
|
~/Castle/Main_building/Throne_room
[mission 4] $
```

Livello 4:

```

~/Castle/Main_building/Throne_room
[mission 4] $ gsh goal

intercettazi...
()=(
|
| Mission goal
|=====
| Build a "Hut" in the forest, and then build a "Chest" in the hut.
|=====
| Useful commands
|=====
| mkdir DIRECTORY
| Create a new directory inside the current directory.
| Remark: ``mkdir`` is an abbreviation for "make directory".
|=====
()=(
|
|=====

~/Castle/Main_building/Throne_room
[mission 4] $ █

~/Castle/Main_building/Throne_room
[mission 4] $ cd

~
[mission 4] $ ls
Castle Forest Garden Mountain Stall

~
[mission 4] $ cd Forest

~/Forest
[mission 4] $ ls

~/Forest
[mission 4] $ mkdir Hut

~/Forest
[mission 4] $ ls
Hut

~/Forest
[mission 4] $ cd Hut/

~/Forest/Hut
[mission 4] $ mkdir Chest

~/Forest/Hut
[mission 4] $ gsh check

Congratulations, mission 4 has been successfully completed!

|
|--+-----+
| Use the command
| $ gsh help
| to get the list of "gsh" commands.
|--+-----+
|

~/Forest/Hut

```

Livello 5:

```
~/Forest/Hut
[mission 5] $ gsh goal

Mission goal
Go back to the cellar and get rid of all the spiders. Leave the bats alone: they appear on the castle's coat of arms and are said to confer luck.

Useful commands
rm FILE1 FILE2 ... FILEn
Delete the files (permanently).
Remark: "rm" is an abbreviation for "remove".

~/Forest/Hut
[mission 5] $ cd ~/Castle/Cellar/

~/Castle/Cellar
[mission 5] $ ls
barrel_of_apples  bat_1  bat_2  spider_1  spider_2  spider_3

~/Castle/Cellar
[mission 5] $ rm spider_1 spider_2 spider_3

~/Castle/Cellar
[mission 5] $ ls
barrel_of_apples  bat_1  bat_2

~/Castle/Cellar
[mission 5] $ gsh check

Congratulations, mission 5 has been successfully completed!

| |
--+-----+--
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
--+-----+--
| |

~/Castle/Cellar
```

Livello 6:

```

~/Castle/Cellar
[mission 6] $ gsh goal

Mission goal

Collect all the coins that you can find in the garden in front of the castle, and put them in your chest in your hut in the forest.

Useful commands

mv FILE1 FILE2 ... FILEn DIRECTORY
Move the files to the directory.
Remark: mv is an abbreviation of "move".

~
The "~" symbol is an abbreviation for the initial directory.
Example: wherever you are, "~/Tavern" denotes the directory (or file) "Tavern" in the initial directory.

```

```

~/Castle/Cellar
[mission 6] $ cd ../../Garden/

~/Garden
[mission 6] $ ls
coin_1 coin_2 coin_3 Flower_garden Maze Shed

~/Garden
[mission 6] $ mv coin_1 coin_2 coin_3 ~/Forest/Hut/Chest/

~/Garden
[mission 6] $ ls
Flower_garden Maze Shed

~/Garden
[mission 6] $ cd ~/Forest/Hut/Chest/

~/Forest/Hut/Chest
[mission 6] $ ls
coin_1 coin_2 coin_3

~/Forest/Hut/Chest
[mission 6] $ gsh check

Congratulations, mission 6 has been successfully completed!

+-----+
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
+-----+

~/Forest/Hut/Chest

```

Livello 7:

```

~/Forest/Hut/Chest
[mission 7] $ gsh goal

Mission goal
Collect all the coins hidden in the garden in front of the castle, and put them in your chest (in your hut in the forest).

Secondary objective
Learn how to use the "Tab" key to go faster.

Useful commands
ls -A
List all the files of the current directory, including hidden files. (A file is "hidden" when its name starts with a dot.)

Tab
The tabulation key "completes" the name of a file or directory once you have typed the beginning of its name. This only works
if there is only one possible completion.

Tab-Tab
Pressing tabulation twice successively shows a list of possible completions.

~/Forest/Hut/Chest
[mission 7] $ cd ~/Garden

~/Garden
[mission 7] $ ls -A
.25617_coin_3 .40814_coin_1 .54306_coin_2 Flower_garden Maze Shed

~/Garden
[mission 7] $ mv .25617_coin_3 .40814_coin_1 .54306_coin_2 ~/Forest/Hut/Chest

~/Garden
[mission 7] $ ls -A
Flower_garden Maze Shed

~/Garden
[mission 7] $ cd ~/Forest/Hut/Chest

~/Forest/Hut/Chest
[mission 7] $ ls -A
.25617_coin_3 .40814_coin_1 .54306_coin_2 coin_1 coin_2 coin_3

~/Forest/Hut/Chest
[mission 7] $ gsh check

Congratulations, mission 7 has been successfully completed!

| |
--+-----+--
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
--+-----+--
| |

~/Forest/Hut/Chest

```

Livello 8:



```
~/Forest/Hut/Chest
[mission 8] $ gsh goal

Mission goal

Get rid of all the spiders that are crawling in the cellar. Again, do not do not disturb the bats.

Shell patterns

*
The "*" character stands in for any sequence of characters
(including an empty sequence).

?
The "?" character stands in for any single character.

Those wildcards can be used to denote lists of existing files / directories in the current working directory.

For example: if the current folder contains
file-1 Folder-1 file-14 potato
then
*      → file-1 Folder-1 file-14 potato
*1     → file-1 Folder-1
*o*    → Folder-1 potato
X*     → error, no matching file
*-?    → file-1 Folder-1
*~??   → file-14

~/Forest/Hut/Chest
[mission 8] $ cd ~/Castle/cellar/

~/Castle/cellar
[mission 8] $ ls -la
1184_bat_5 14132_spider_16 16061_bat_4 17831_spider_11 19349_spider_23 21655_spider_31 23431_spider_3 24940_spider_21 27292_spider_44 38750_spider_34 5172_spider_17 590_spider_8 716_spider_50 8311_spider_9
13267_spider_5 14628_spider_32 16253_spider_42 17262_spider_33 2817_spider_10 2254_spider_1 23943_spider_40 24989_spider_12 27451_spider_2 38929_spider_28 558_spider_25 6465_spider_6 7402_bat_1 8645_spider_36
13225_spider_27 15162_spider_36 16782_spider_7 17794_spider_19 2157_spider_18 22141_spider_43 24890_spider_45 25355_spider_32 29772_bat_2 31781_spider_24 5832_spider_14 6682_spider_49 8848_spider_37 985_spider_39
13386_spider_29 15464_spider_4 16827_spider_15 18441_spider_26 21588_spider_41 23373_spider_46 24696_spider_28 25730_bat_3 38822_spider_38 5056_spider_18 5850_spider_13 6691_spider_47 8107_spider_48 barrel_of_apples

~/Castle/cellar
[mission 8] $ rm -r * spider_*
removed '12467_spider_5'
removed '13225_spider_27'
removed '13286_spider_29'
removed '14132_spider_16'
removed '14628_spider_32'
removed '15162_spider_36'
removed '15464_spider_4'
removed '16253_spider_42'
removed '16782_spider_7'
removed '16827_spider_15'
removed '17831_spider_11'
removed '17262_spider_33'
removed '17794_spider_19'
removed '18441_spider_26'
removed '19349_spider_23'
removed '2817_spider_10'
removed '2157_spider_18'
removed '21588_spider_41'
removed '21655_spider_31'
removed '23431_spider_3'
removed '23943_spider_40'
removed '24890_spider_45'
removed '24940_spider_21'
removed '24989_spider_12'
removed '25355_spider_32'
removed '27292_spider_44'
removed '27451_spider_2'
removed '38750_spider_34'
removed '38929_spider_28'
removed '5172_spider_17'
removed '558_spider_25'
removed '5832_spider_14'
removed '590_spider_8'
removed '6465_spider_6'
removed '6682_spider_49'
removed '716_spider_50'
removed '7402_bat_1'
removed '8107_spider_48'
removed '8311_spider_9'
removed '8645_spider_36'
removed '985_spider_39'

~/Castle/cellar
[mission 8] $ gsh check

Congratulations, mission 8 has been successfully completed!

|
--+-----+
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
--+-----+
|
~/Castle/cellar
```

Livello 9:

```
~/Castle/Cellar
[mission 9] $ gsh goal

Mission goal

The spiders are getting clever: they found a way to hide.
Get rid of all the spiders that are hiding in the cellar without disturbing the bats.

Shell patterns

*
The "*" character stands in for any sequence of characters (including an empty sequence).

?
The "?" character stands in for any single character.

Remark

The wildcards "*" and "?" don't see hidden files, you need to add an explicit dot at the start of the pattern.

~/Castle/Cellar
[mission 9] $ ls -A
.10052_spider_2 .1271_spider_20 .13002_spider_31 .1508_spider_22 .1912_bat_1 .21012_spider_33 .24486_spider_35 .26077_spider_29 .29722_spider_19 .32244_spider_29 .4514_bat_2 7482_bat_1 barrel_of_apples
.10079_spider_5 .12744_spider_16 .13906_spider_38 .16061_bat_4 .19410_spider_8 .22680_spider_9 .24586_spider_11 .26916_spider_37 .29772_bat_2 .32280_spider_7 .4527_spider_4 .826_spider_44
.10215_spider_16 .12487_spider_17 .14209_spider_28 .16331_spider_42 .19847_spider_13 .2388_spider_21 .25530_spider_25 .2793_bat_3 .38098_spider_34 .3348_spider_43 .5765_spider_47 .9564_bat_4
.2097_spider_24 .12724_spider_48 .14646_spider_38 .16358_spider_26 .20977_spider_18 .23431_spider_1 .25066_spider_10 .28144_spider_49 .31122_spider_42 .4432_spider_32 .6883_spider_46 .9884_spider_27
11104_bat_5 .11203_spider_23 .13035_spider_5 .16342_bat_5 .21148_spider_15 .24244_spider_41 .25730_bat_3 .28433_spider_18 .31214_spider_45 .4438_spider_36 .6715_spider_3 .9943_spider_40

~/Castle/Cellar
[mission 9] $ rm -v *.spider_*
removed '.10052_spider_2'
removed '.10079_spider_5'
removed '.10215_spider_16'
removed '.1027_spider_24'
removed '.1231_spider_20'
removed '.12444_spider_16'
removed '.12487_spider_17'
removed '.12711_spider_48'
removed '.12782_spider_23'
removed '.13902_spider_31'
removed '.13906_spider_38'
removed '.14209_spider_28'
removed '.14846_spider_38'
removed '.15035_spider_5'
removed '.1588_spider_22'
removed '.16331_spider_42'
removed '.16358_spider_26'
removed '.19410_spider_8'
removed '.19847_spider_13'
removed '.20977_spider_18'
removed '.21148_spider_15'
removed '.21247_spider_33'
removed '.22480_spider_9'
removed '.2280_spider_21'
removed '.23431_spider_1'
removed '.24244_spider_41'
removed '.24486_spider_35'
removed '.24586_spider_11'
removed '.25530_spider_25'
removed '.25686_spider_58'
removed '.26077_spider_29'
removed '.26916_spider_37'
removed '.28144_spider_49'
removed '.28433_spider_18'
removed '.29722_spider_19'
removed '.6715_spider_3'
removed '.826_spider_44'
removed '.9884_spider_27'
removed '.9943_spider_40'

~/Castle/Cellar
[mission 9] $ ls -A
11104_bat_5 16061_bat_4 .16542_bat_5 .1912_bat_1 25730_bat_3 .2793_bat_3 29772_bat_2 .4514_bat_2 7482_bat_1 .9564_bat_4 barrel_of_apples

~/Castle/Cellar
[mission 9] $ ls
11104_bat_5 16061_bat_4 25730_bat_3 29772_bat_2 7482_bat_1 barrel_of_apples

~/Castle/Cellar
[mission 9] $ gsh check
Congratulations, mission 9 has been successfully completed!

Congratulations !
From now on, the "ls" command will automatically show a "/" character at the end of directories.

Use the command
$ gsh help
to get the list of "gsh" commands.
```

Livello 10:

```

~/Castle/Cellar
[mission 10] $ gsh goal
()=(
  Mission goal
  You have taken a fancy to the four standards in the great hall of the castle. As stealing them would not go unnoticed, put a copy (same name, same content) of each in your chest.
  Useful commands
  cp FILE DIRNAME
  Copy the file to the directory.
  Remark: ``cp`` is an abbreviation of "copy".
()=(
  "the quieter you become, the more you are able to hear"
~/Castle/Cellar
~/Castle/Cellar
[mission 10] $ cd ..
~/Castle
[mission 10] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/
~/Castle
[mission 10] $ cd Great_hall/
~/Castle/Great_hall
[mission 10] $ ls
30549_suit_of_armour 47509_decorative_shield 6629_stag_head standard_1 standard_2 standard_3 standard_4
~/Castle/Great_hall
[mission 10] $ cp standard_1 standard_2 standard_3 standard_4 ~/Forest/Hut/Chest/
~/Castle/Great_hall
[mission 10] $ gsh check
Congratulations, mission 10 has been successfully completed!
  Use the command
  $ gsh help
  to get the list of "gsh" commands.
~/Castle/Great_hall

```

## Livello 11:

```

~/Castle/Great_hall
[mission 11] $ gsh goal
  Mission goal
  The tapestries in the castle's great hall are also particularly beautiful. Put a copy of each in your chest.
  Useful commands
  cp FILE1 FILE2 ... FILEn DIRNAME
  Copy the files to the directory.
  Remark: ``cp`` is an abbreviation of "copy".
  Shell patterns
  *
  The "*" character stands in for any sequence of characters
  (including an empty sequence).
  ?
  The "?" character stands in for any single character.
~/Castle/Great_hall

```

```

~/Castle/Great_hall
[mission 11] $ ls
12788_tapestry_01  20865_suit_of_armour  27552_tapestry_09  55577_tapestry_10  59406_tapestry_08  61952_tapestry_07  9706_tapestry_04  standard_2  standard_4
16605_tapestry_05  22822_decorative_shield  32552_tapestry_03  59370_tapestry_06  59805_stag_head  65083_tapestry_02  standard_1  standard_3

~/Castle/Great_hall
[mission 11] $ cp *_tapestry_* ~/Forest/Hut/Chest/

~/Castle/Great_hall
[mission 11] $ gsh check

Congratulations, mission 11 has been successfully completed!

+-----+
|       |
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
|       |
+-----+

~/Castle/Great_hall

```

## Livello 12:

```

~/Castle/Great_hall
[mission 12] $ gsh goal

Mission goal
While wandering around the first floor of the main tower, some magnificent paintings catch your eye. Add a copy of the oldest one to your chest.

Secondary objectives
Take a moment to admire the sheer beauty of the paintings.

Useful commands
ls -l
Print the list of files of the current directory, with additional information including last modification date.
cat FILE
Display the contents of the file.

~/Castle/Great_hall

~/Castle/Great_hall
[mission 12] $ cd ../
Cellar/      Great_hall/  Main_building/ Main_tower/  Observatory/

~/Castle/Great_hall
[mission 12] $ cd ../Main_tower/First_floor/

~/Castle/Main_tower/First_floor
[mission 12] $ ls -l
total 16
-rw-r--r-- 1 kali kali 1455 Dec  4 2018 painting_FMJgMobw
-rw-r--r-- 1 kali kali 1055 Apr  5 1989 painting_kWqahwHH
-rw-r--r-- 1 kali kali 1502 Nov 19 1998 painting_OfgonJBi
drwxr-xr-x 3 kali kali 4096 Jul 17 07:26 Second_floor/

~/Castle/Main_tower/First_floor
[mission 12] $ cp painting_kWqahwHH ~/Forest/Hut/Chest/

~/Castle/Main_tower/First_floor
[mission 12] $ gsh check

Congratulations, mission 12 has been successfully completed!

+-----+
|       |
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
|       |
+-----+

~/Castle/Main_tower/First_floor

```

## Livello 13:

```
~/Castle/Main_tower/First_floor
[mission 13] $ gsh goal
```

```

/ \
|   | Mission goal
|   |=====
|   |
|   | Nostradamus predicted a spectacular star conjunction on the 06-24-1968.
|   | 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.
|   |
|   |
|   |
\ /

```

```
~/Castle/Main_tower/First_floor
```

```
~/Castle/Main_tower/First_floor
```

```
[mission 13] $ cal
      July 2023
Su Mo Tu We Th Fr Sa
                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
```

```
~/Castle/Main_tower/First_floor
[mission 13] $ cal 1968
```

```

      1968
      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  5  6          1  2  3          1  2
 7  8  9 10 11 12 13    4  5  6  7  8  9 10    3  4  5  6  7  8  9
14 15 16 17 18 19 20   11 12 13 14 15 16 17   10 11 12 13 14 15 16
21 22 23 24 25 26 27   18 19 20 21 22 23 24   17 18 19 20 21 22 23
28 29 30 31           25 26 27 28 29           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  6          1  2  3  4          1
 7  8  9 10 11 12 13    5  6  7  8  9 10 11    2  3  4  5  6  7  8
14 15 16 17 18 19 20   12 13 14 15 16 17 18    9 10 11 12 13 14 15
21 22 23 24 25 26 27   19 20 21 22 23 24 25   16 17 18 19 20 21 22
28 29 30           26 27 28 29 30 31           23 24 25 26 27 28 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  6          1  2  3          1  2  3  4  5  6  7
 7  8  9 10 11 12 13    4  5  6  7  8  9 10    8  9 10 11 12 13 14
14 15 16 17 18 19 20   11 12 13 14 15 16 17   15 16 17 18 19 20 21
21 22 23 24 25 26 27   18 19 20 21 22 23 24   22 23 24 25 26 27 28
28 29 30 31           25 26 27 28 29 30 31   29 30

      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  5          1  2          1  2  3  4  5  6  7
 6  7  8  9 10 11 12    3  4  5  6  7  8  9    8  9 10 11 12 13 14
13 14 15 16 17 18 19   10 11 12 13 14 15 16   15 16 17 18 19 20 21
20 21 22 23 24 25 26   17 18 19 20 21 22 23   22 23 24 25 26 27 28
27 28 29 30 31        24 25 26 27 28 29 30   29 30 31

```

```
~/Castle/Main_tower/First_floor
[mission 13] $ gsh check
What was the day of the week for the 06-24-1968?
 1 : Monday
 2 : Tuesday
 3 : Wednesday
 4 : Thursday
 5 : Friday
 6 : Saturday
 7 : Sunday
Your answer: 1

Congratulations, mission 13 has been successfully completed!

| |
--+-----+--
| Use the command |
| $gsh help       |
| to get the list of "gsh" commands. |
--+-----+--
| |

~/Castle/Main_tower/First_floor
```

#### Livello 14:

```
~/Castle/Main_tower/First_floor
[mission 14] $ gsh goal

How to solve the mission:

Mission goal
  Checking for hidden files is taking too long!
  Create an alias "la" to run the command ``ls -A`` in order to list all files, including hidden ones, with only 2 letters.
  Define the synonym
    la
  for the command
    ls -A
  and check that it works as expected.
  How fortunate, there is a nice rock hidden just where you are.

Useful commands
  alias STRING='COMMAND'
  Create a synonym for a string, that will stand for a command.

~/Castle/Main_tower/First_floor
```









```

~/Castle/Main_tower/First_floor
[mission 16] $ alias journal='nano ~/Forest/Hut/Chest/journal.txt'

~/Castle/Main_tower/First_floor
[mission 16] $ journal

~/Castle/Main_tower/First_floor
[mission 16] $ gsh check

Congratulations, mission 16 has been successfully completed!

Congratulations!

From now on you can use the file
"~/gshrc"
to record aliases. More information can be found in the file (it has been created for you).

Use the command
$ gsh help
to get the list of "gsh" commands.

~/Castle/Main_tower/First_floor

```

## Livello 17:

```

~/Castle/Main_tower/First_floor
[mission 17] $ gsh goal

Mission goal

At the back of the cellar, there is a small opening going to the spider queen's lair.
Go there, and remove the spider queen (and nothing else).

Note: you have a limited amount of time (20 seconds) to do that. You can use the command "gsh reset" to reset the timer.
Another thing: shell patterns have been deactivated. You cannot use the wildcards "*" or "?".

Useful commands

Tab
The "Tabulation" key completes the name of a file or directory once you have typed the beginning of its name. This only works
if there is only one possible completion.

Tab-Tab
Pressing the "Tabulation" key twice successively shows a list of possible completions.

~/Castle/Main_tower/First_floor

~/Castle/Cellar
[mission 17] $ ls -A
11104_bat_5 16061_bat_4 .16542_bat_5 .1912_bat_1 25730_bat_3 .2793_bat_3 29772_bat_2 .4514_bat_2 7462_bat_1 .9564_bat_4 barrel_of_apples .Lair_of_the_spider_queen kZHosopHLWzUpTz ohFOTIRpTsXIYWQ/

~/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ kZHosopHLWzUpTz ohFOTIRpTsXIYWQ/

~/Castle/Cellar/.Lair_of_the_spider_queen kZHosopHLWzUpTz ohFOTIRpTsXIYWQ
[mission 17] $ ls -l
total 0
-rw-r--r-- 1 kali kali 384 Jul 17 20:37 BL3GrKxgNS00gnSd_spider_queen_i8ahvCNiZifGatI
-rw-r--r-- 1 kali kali 130 Jul 17 20:37 B5YDV3fjWS6lanwP_baby_bat_Q0RV1CkujevLVKJf

~/Castle/Cellar/.Lair_of_the_spider_queen kZHosopHLWzUpTz ohFOTIRpTsXIYWQ
[mission 17] $ rm BL3GrKxgNS00gnSd_spider_queen_i8ahvCNiZifGatI

~/Castle/Cellar/.Lair_of_the_spider_queen kZHosopHLWzUpTz ohFOTIRpTsXIYWQ
[mission 17] $ gc
Perfect, it took you only 17 seconds to complete this mission!

Congratulations, mission 17 has been successfully completed!

Use the command
$ gsh help
to get the list of "gsh" commands.

~/Castle/Cellar/.Lair_of_the_spider_queen kZHosopHLWzUpTz ohFOTIRpTsXIYWQ

```

## Livello 18:

```
~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
[mission 18] $ gg

Mission goal
As you are walking around the castle, you feel like you are being watched... Turn your head quickly enough and you may see one of the paintings' eyes following you.
1/ Run the ``xeyes`` command, and stop it.
2/ Run the ``xeyes`` command in the background.

Useful commands
xeyes
Open a window with 2 eyes that track your mouse.
COMMAND &
Run the command in the background.
Control-c
This key binding usually interrupts the current command by sending it the "INT" signal.

~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
[mission 18] $ xeyes
^C[1]+  Done                  xeyes

~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
[mission 18] $ xeyes &
[1] 194794

~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
[mission 18] $ gc

Congratulations, mission 18 has been successfully completed!

|                                     |
--+-----+-----+-----+-----+
| Use the command                    |
| $ gsh help                        |
| to get the list of "gsh" commands. |
--+-----+-----+-----+-----+
|                                     |

~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
```

## Livello 19:

```
~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
[mission 19] $ gg

Mission goal
Find the copper coin in the small maze in the garden and move it to your chest.

If you want, you can use a graphical file manager. The maze is to be found in directory
/home/kali/gameshell.1/World/Garden/Maze

~/Castle/Cellar/.Lair_of_the_spider_queen kZH0sopHLWvZuPtZ ohFOTIRpPTsXIYWQ
```

```
~/Garden/Maze/dbb161a2b7a19080/2998ecc6c8fc3fedb85eef/7a91654b0433a89cecf438bf9e29
[mission 19] $ ls -hLA
total 4.0K
-rw-r--r-- 1 kali kali 41 Jul 17 20:46 00000_copper_coin_00000

~/Garden/Maze/dbb161a2b7a19080/2998ecc6c8fc3fedb85eef/7a91654b0433a89cecf438bf9e29
[mission 19] $ mv 00000_copper_coin_00000 ~/Forest/Hut/Chest/

~/Garden/Maze/dbb161a2b7a19080/2998ecc6c8fc3fedb85eef/7a91654b0433a89cecf438bf9e29
[mission 19] $ gc

Congratulations, mission 19 has been successfully completed!

Congratulations!
From now on, the command "ls" will try using a color code to make it easier to differentiate between directories and several kinds of files.

KALI LINUX
"the quieter you become, the more you are able to hear"

You are back at the entrance of the maze ...

|-----|
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
|-----|

~/Garden/Maze
```

## Livello 20:

```
~/Garden/Maze
[mission 20] $ gg

Mission goal

Find the silver coin in the maze in the garden and move it to your chest using the shell.

Useful commands

ls -R
Print the list of all files / directory, including those in sub-directories (recursively).

tree
Print the tree of files and directories, starting from the current working directory.

(*
))
^

~/Garden/Maze
```

```
~/Garden/Maze/631b0047c706cc66/3010a954f5e4bc78115d66/ceb21f0df674a685463f
[mission 20] $ ls -hLA
total 4.0K
-rw-r--r-- 1 kali kali 41 Jul 17 20:56 00000_silver_coin_00000

~/Garden/Maze/631b0047c706cc66/3010a954f5e4bc78115d66/ceb21f0df674a685463f
[mission 20] $ mv 00000_silver_coin_00000 ~/Forest/Hut/Chest/

~/Garden/Maze/631b0047c706cc66/3010a954f5e4bc78115d66/ceb21f0df674a685463f
[mission 20] $ gc

Congratulations, mission 20 has been successfully completed!

You are back at the entrance of the maze ...

|-----|
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
|-----|

~/Garden/Maze
[mission 21] $
```