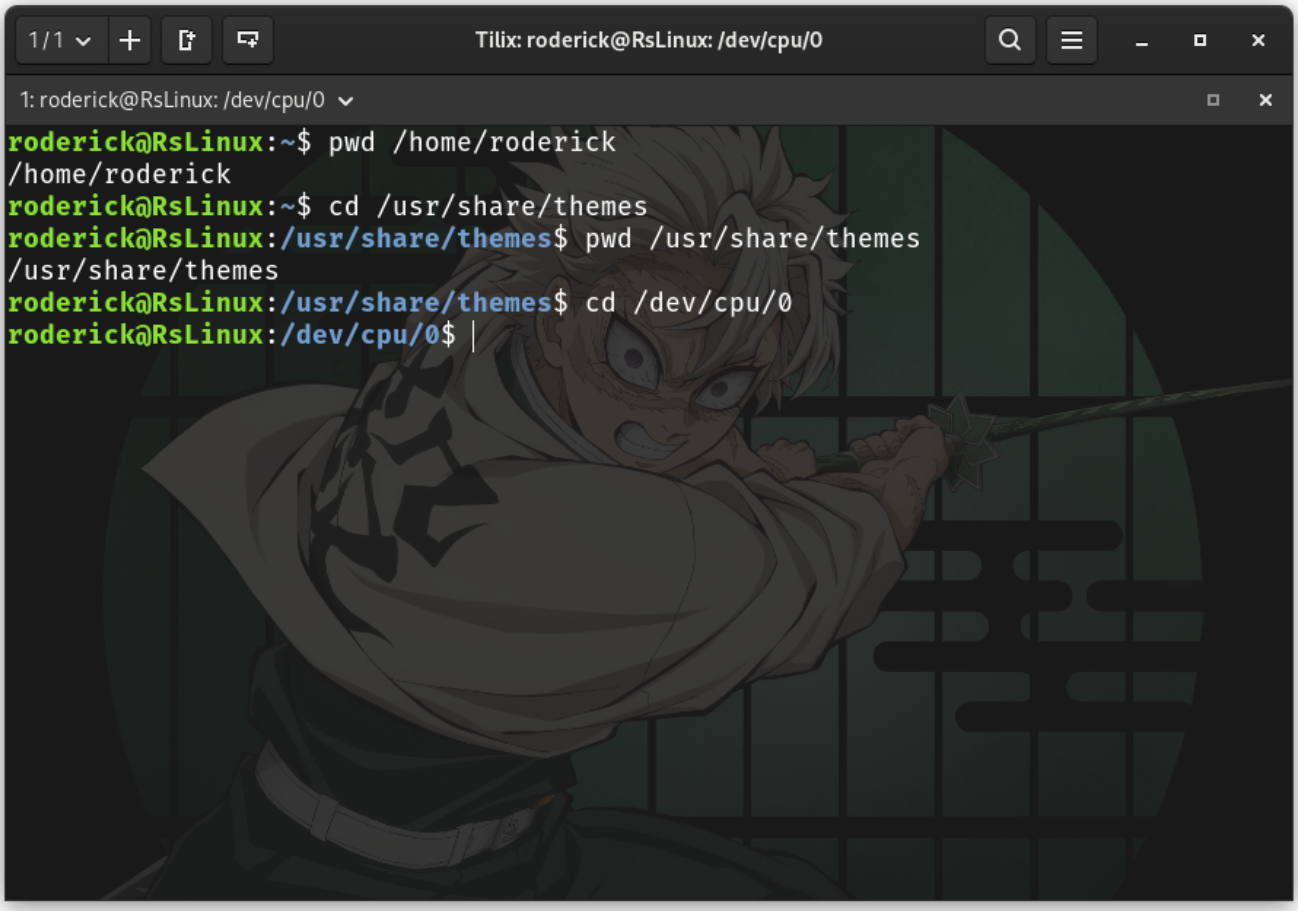
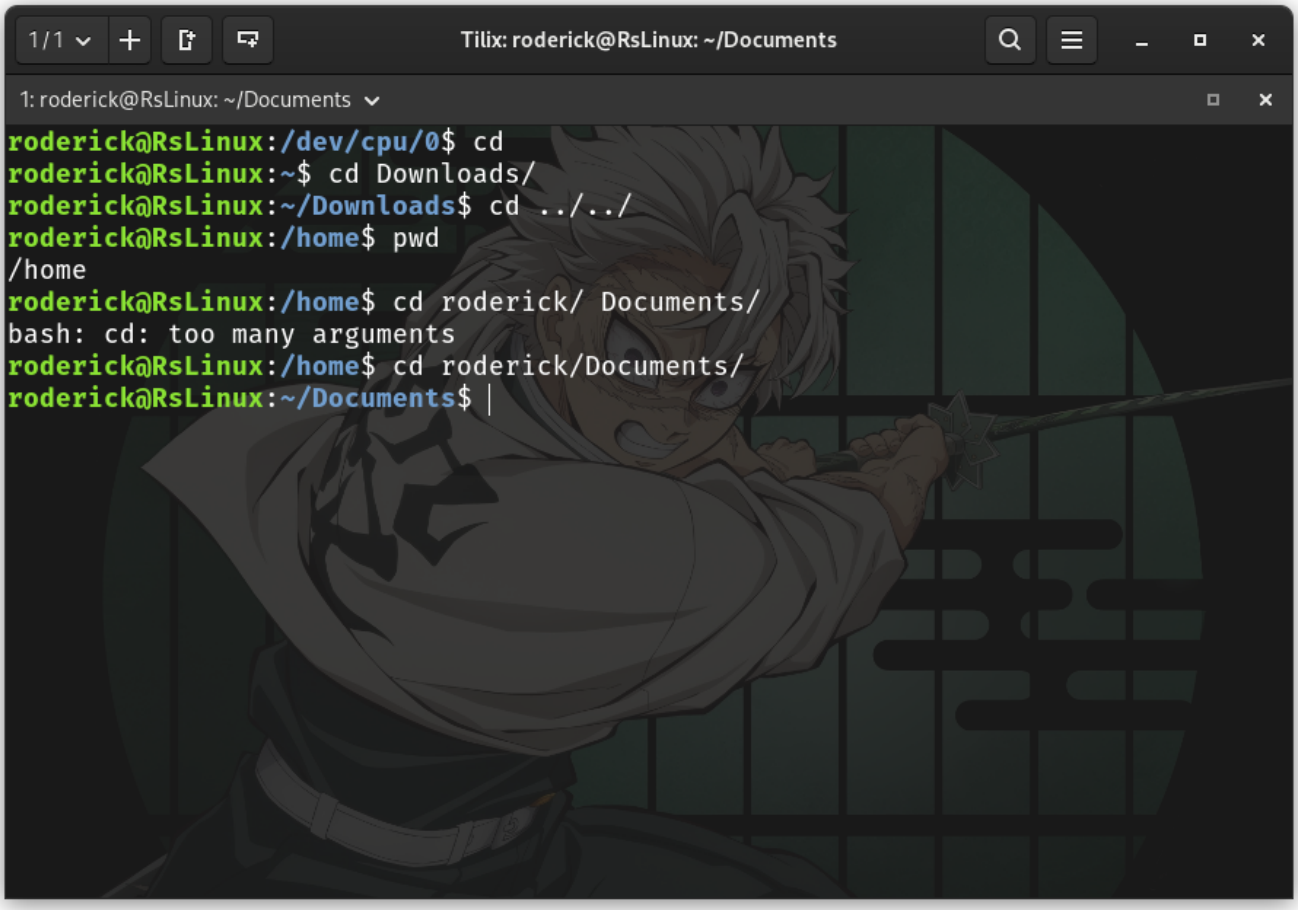
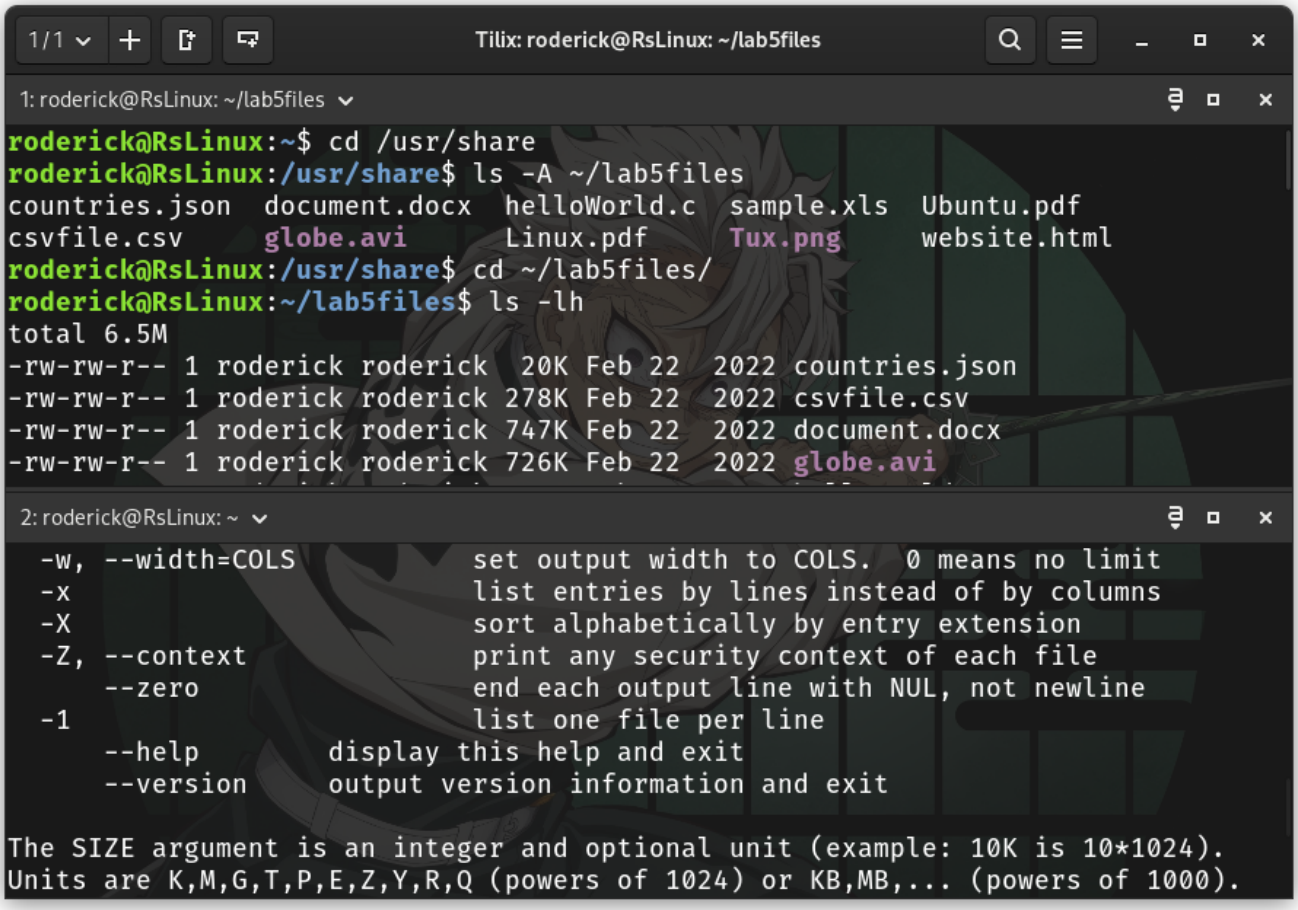
Completed Lab 5

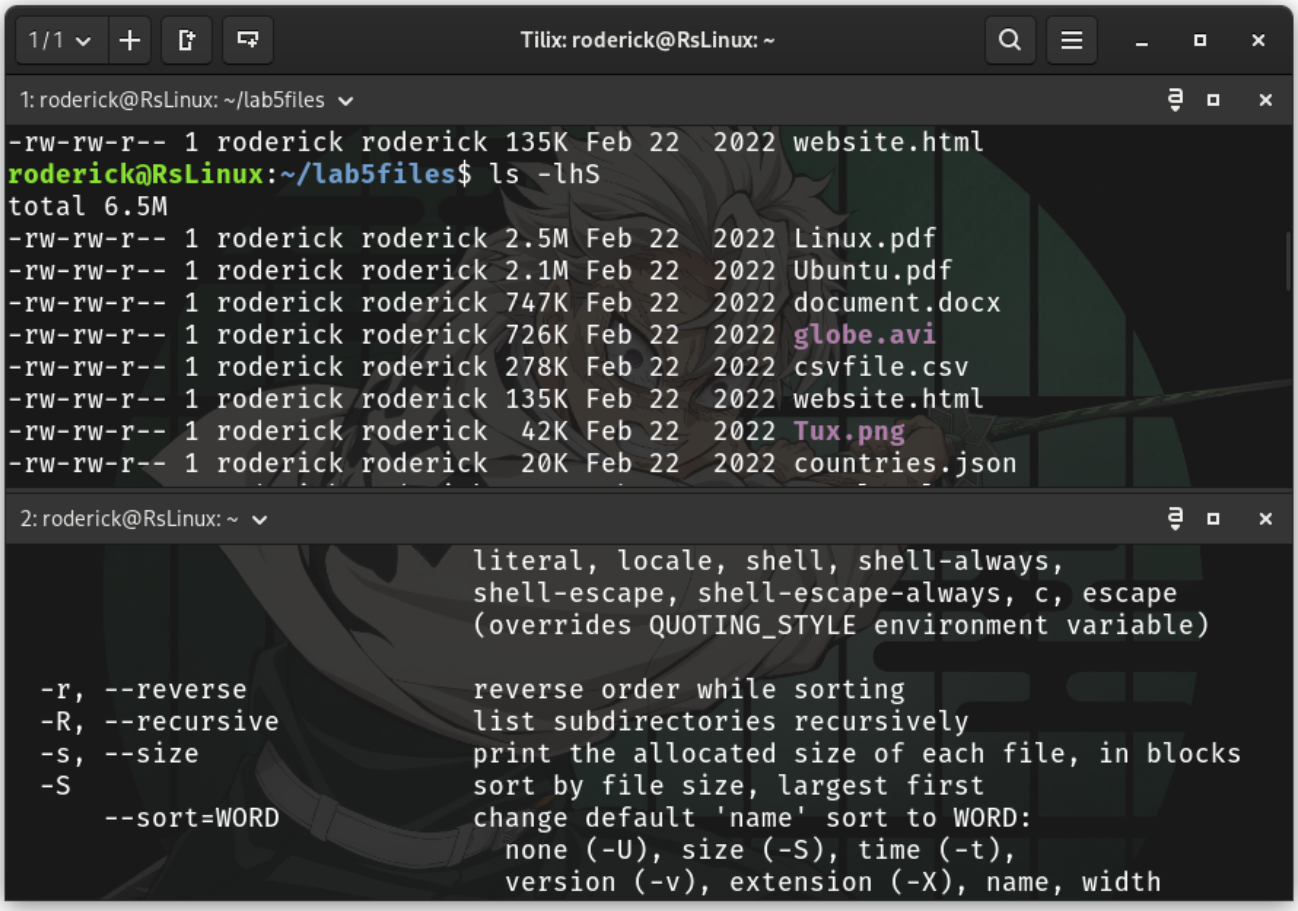
Question 1

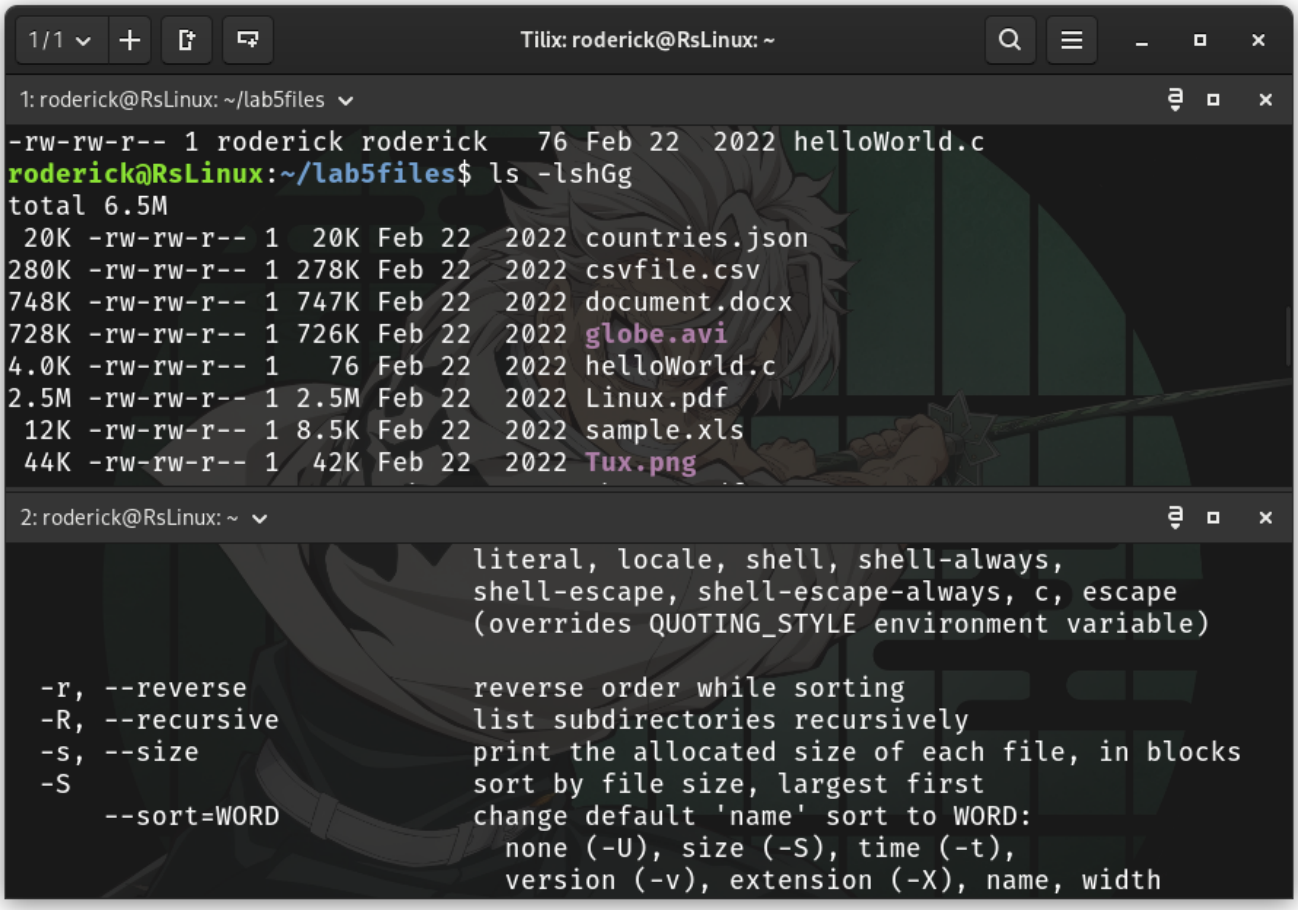


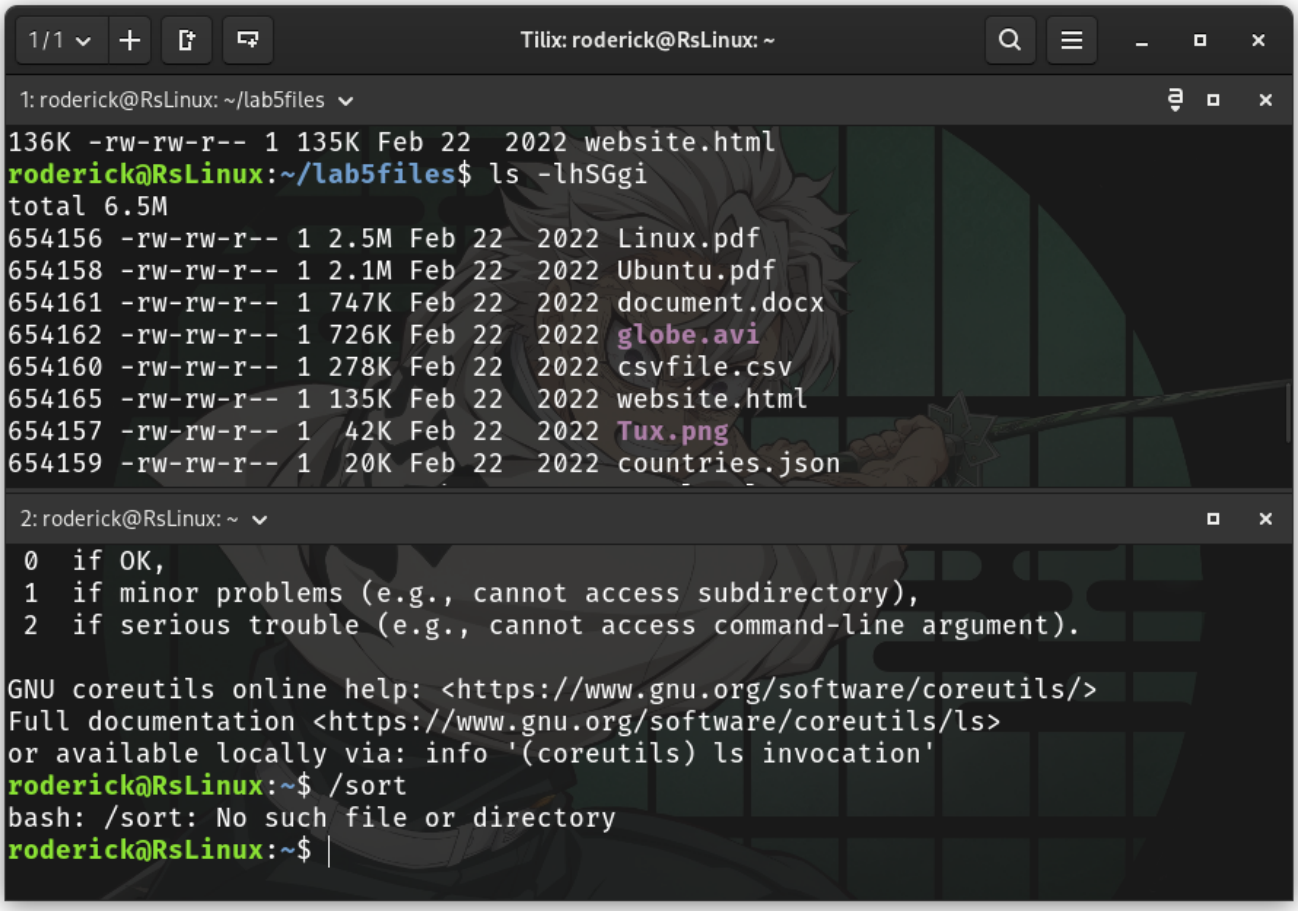

1 / 1
Tilix: roderick@RsLinux: ~/Documents
1: roderick@RsLinux: ~/Documents
roderick@RsLinux:/dev/cpu/0$ cd
roderick@RsLinux:~$ cd Downloads/
roderick@RsLinux:~/Downloads$ cd ../../
roderick@RsLinux:/home$ pwd
/home
roderick@RsLinux:/home$ cd roderick/ Documents/
bash: cd: too many arguments
roderick@RsLinux:/home$ cd roderick/Documents/
roderick@RsLinux:~/Documents$

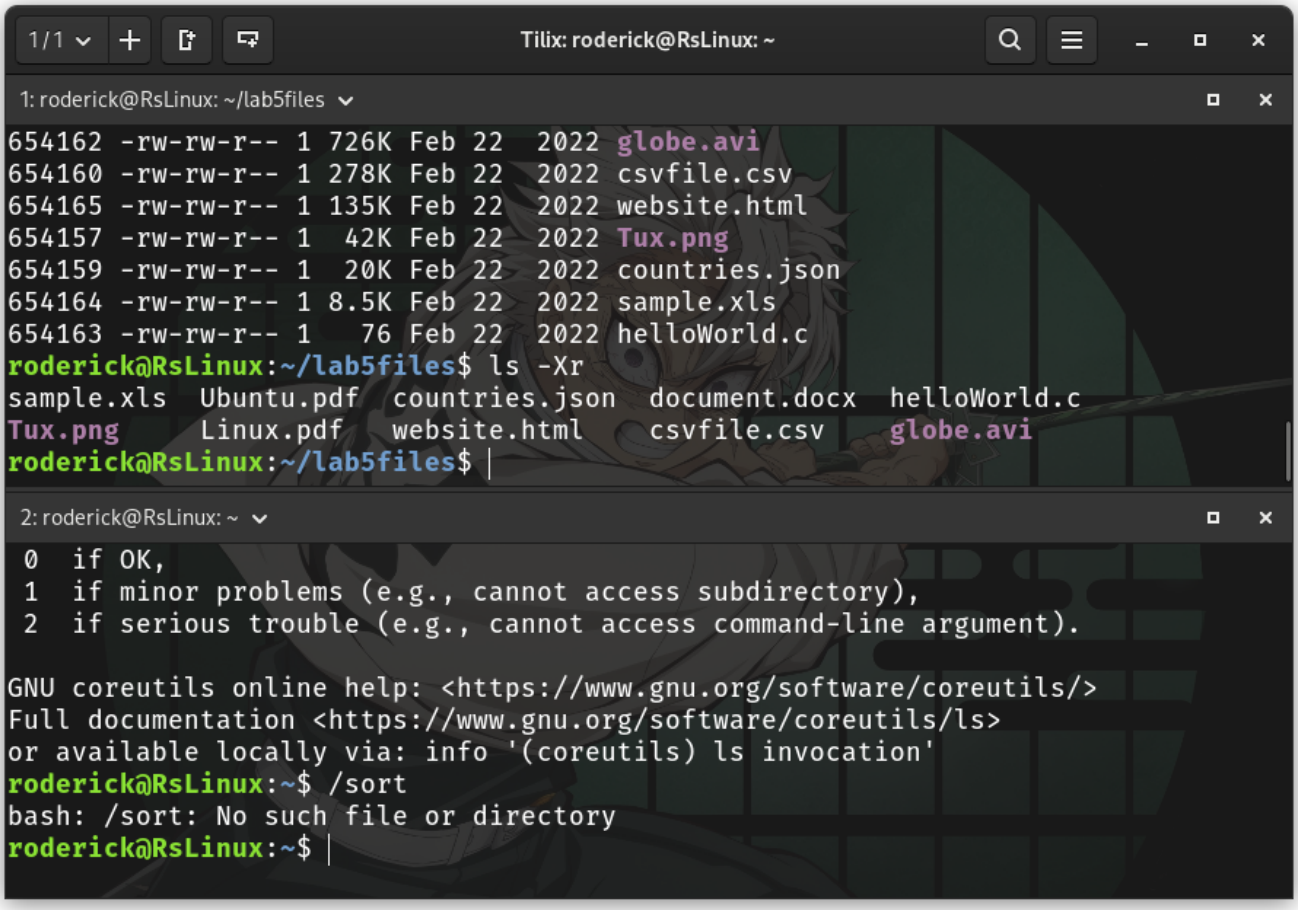
Question 2


1/1
Tilix: roderick@RsLinux: ~/lab5files
1: roderick@RsLinux: ~/lab5files
roderick@RsLinux:~$ cd /usr/share
roderick@RsLinux:/usr/share$ ls -A ~/lab5files
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
csvfile.csv globe.avi Linux.pdf Tux.png website.html
roderick@RsLinux:/usr/share$ cd ~/lab5files/
roderick@RsLinux:~/lab5files$ ls -lh
total 6.5M
-rw-rw-r-- 1 roderick roderick 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 roderick roderick 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 roderick roderick 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 roderick roderick 726K Feb 22 2022 globe.avi
2: roderick@RsLinux: ~
-w, --width=COLS set output width to COLS. 0 means no limit
-x list entries by lines instead of by columns
-X sort alphabetically by entry extension
-Z, --context print any security context of each file
--zero end each output line with NUL, not newline
-1 list one file per line
--help display this help and exit
--version output version information and exit
The SIZE argument is an integer and optional unit (example: 10K is 10*1024).
Units are K,M,G,T,P,E,Z,Y,R,Q (powers of 1024) or KB,MB,... (powers of 1000).

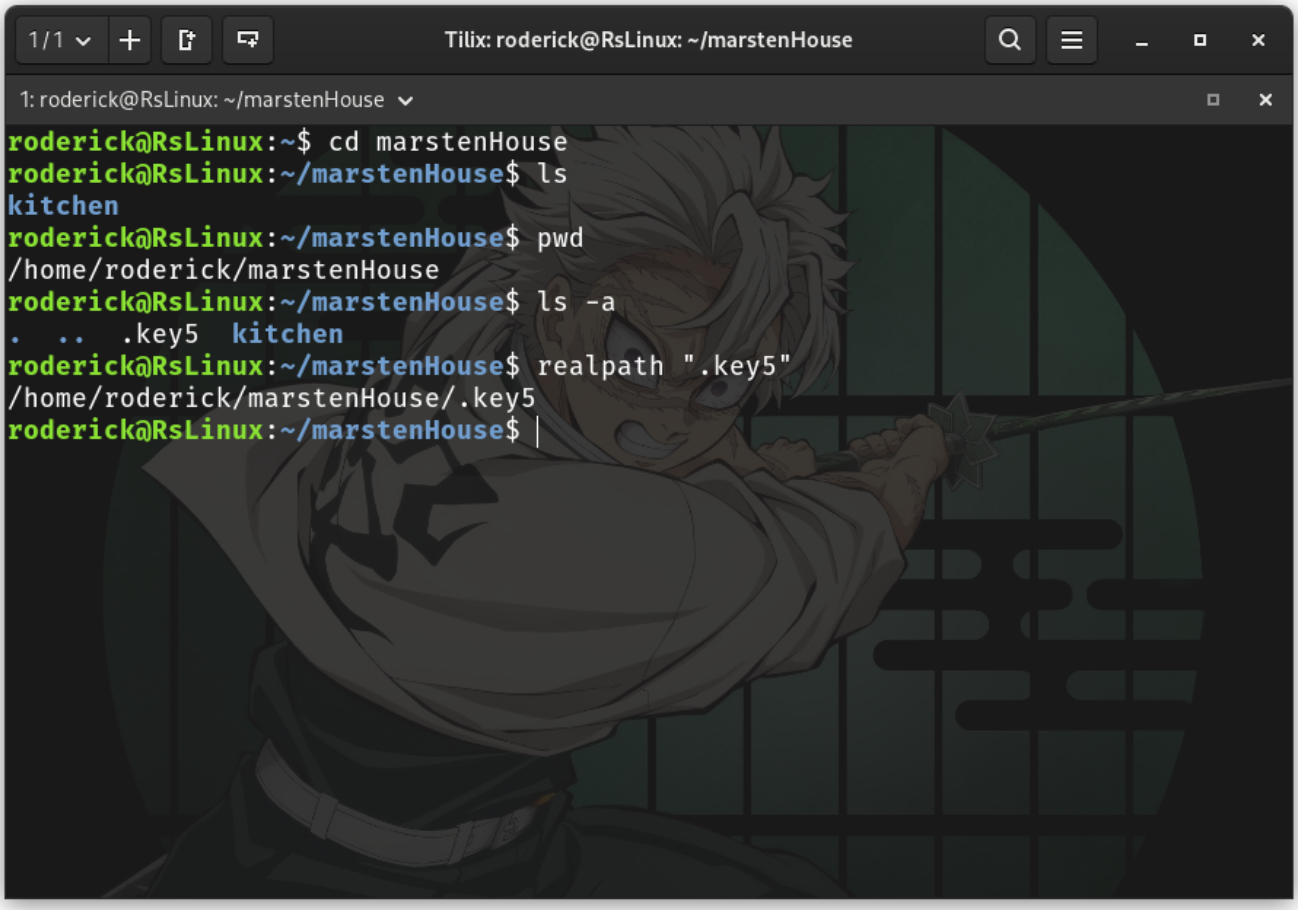

1/1
Tilix: roderick@RsLinux: ~
1: roderick@RsLinux: ~/lab5files
-rw-rw-r-- 1 roderick roderick 135K Feb 22 2022 website.html
roderick@RsLinux:~/lab5files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 roderick roderick 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 roderick roderick 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 roderick roderick 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 roderick roderick 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 roderick roderick 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 roderick roderick 135K Feb 22 2022 website.html
-rw-rw-r-- 1 roderick roderick 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 roderick roderick 20K Feb 22 2022 countries.json
2: roderick@RsLinux: ~
literal, locale, shell, shell-always,
shell-escape, shell-escape-always, c, escape
(overrides QUOTING_STYLE environment variable)
-r, --reverse reverse order while sorting
-R, --recursive list subdirectories recursively
-s, --size print the allocated size of each file, in blocks
-S sort by file size, largest first
--sort=WORD change default 'name' sort to WORD:
none (-U), size (-S), time (-t),
version (-v), extension (-X), name, width

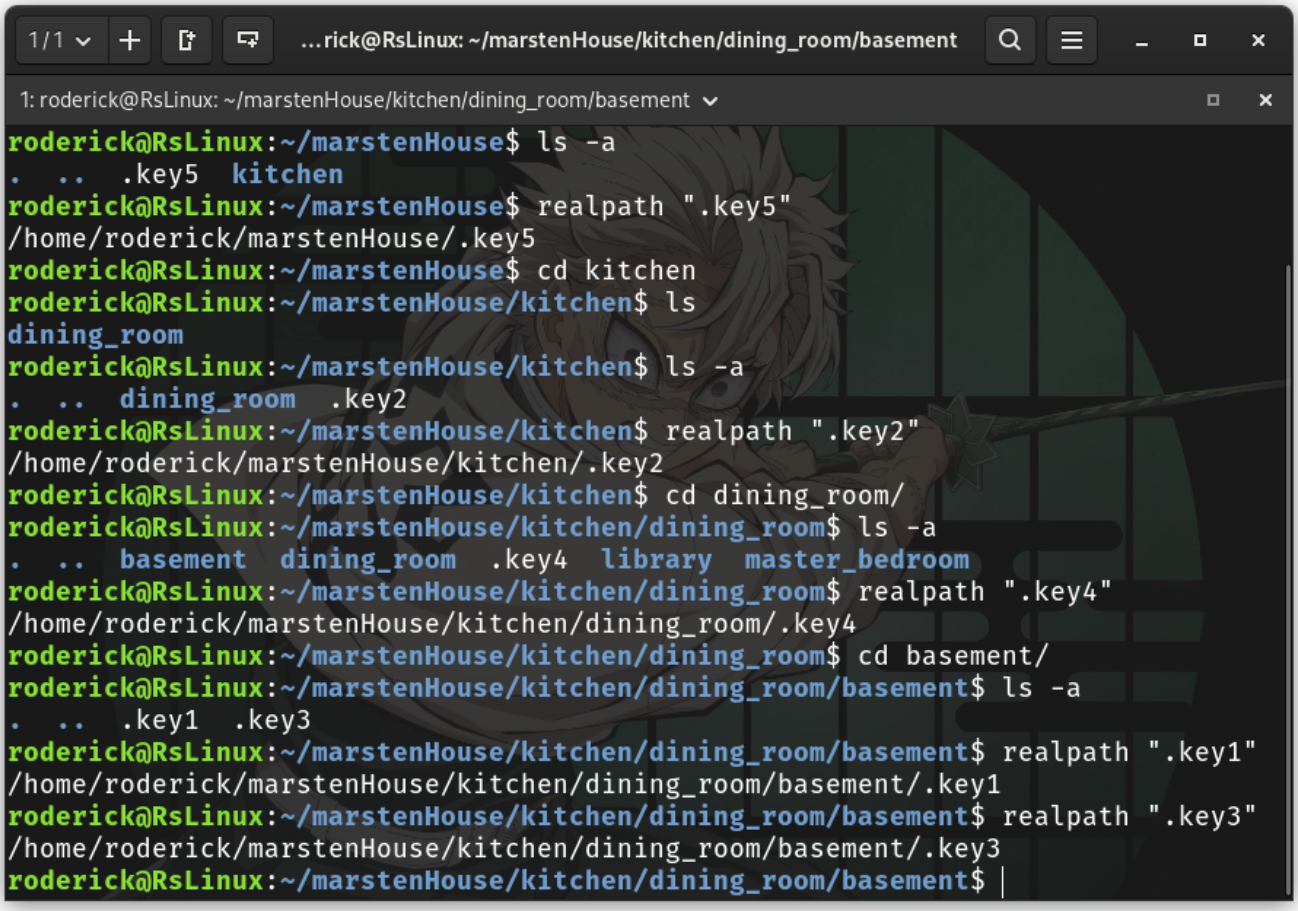

1/1
Tilix: roderick@RsLinux: ~
1: roderick@RsLinux: ~/lab5files
-rw-rw-r-- 1 roderick roderick 76 Feb 22 2022 helloWorld.c
roderick@RsLinux:~/lab5files$ ls -lshGg
total 6.5M
20K -rw-rw-r-- 1 20K Feb 22 2022 countries.json
280K -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
748K -rw-rw-r-- 1 747K Feb 22 2022 document.docx
728K -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
4.0K -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
2.5M -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
12K -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
44K -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
2: roderick@RsLinux: ~
literal, locale, shell, shell-always,
shell-escape, shell-escape-always, c, escape
(overrides QUOTING_STYLE environment variable)
-r, --reverse reverse order while sorting
-R, --recursive list subdirectories recursively
-s, --size print the allocated size of each file, in blocks
-S sort by file size, largest first
--sort=WORD change default 'name' sort to WORD:
none (-U), size (-S), time (-t),
version (-v), extension (-X), name, width

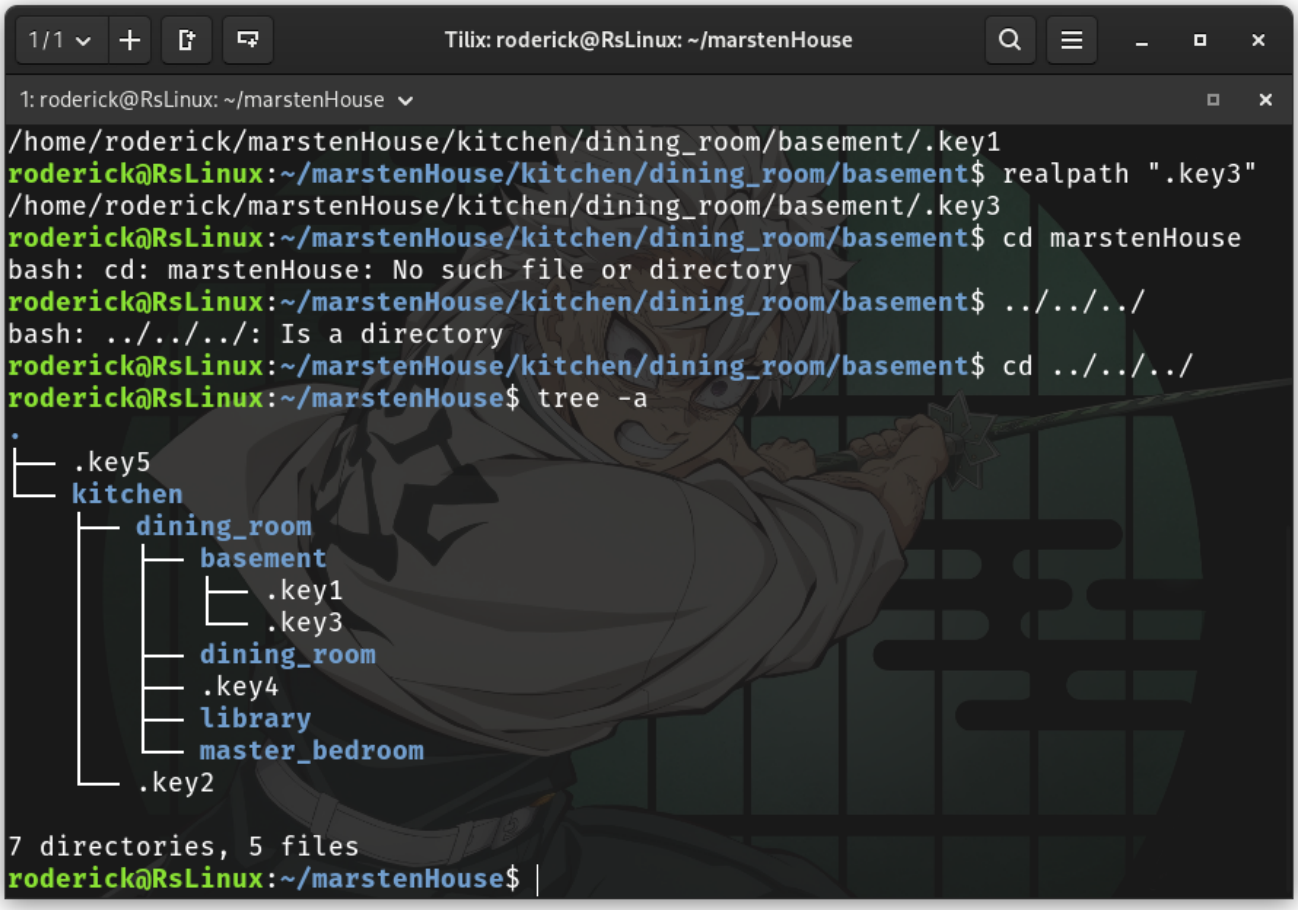

1/1
Tilix: roderick@RsLinux: ~
1: roderick@RsLinux: ~/lab5files
136K -rw-rw-r-- 1 135K Feb 22 2022 website.html
roderick@RsLinux:~/lab5files$ ls -lhSGgi
total 6.5M
654156 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
654158 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
654161 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
654162 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
654160 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
654165 -rw-rw-r-- 1 135K Feb 22 2022 website.html
654157 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
654159 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
2: roderick@RsLinux: ~
0 if OK,
1 if minor problems (e.g., cannot access subdirectory),
2 if serious trouble (e.g., cannot access command-line argument).
GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/ls>
or available locally via: info '(coreutils) ls invocation'
roderick@RsLinux:~$ /sort
bash: /sort: No such file or directory
roderick@RsLinux:~$


1/1
Tilix: roderick@RsLinux: ~
1: roderick@RsLinux: ~/lab5files
654162 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
654160 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
654165 -rw-rw-r-- 1 135K Feb 22 2022 website.html
654157 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
654159 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
654164 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
654163 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
roderick@RsLinux:~/lab5files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx helloWorld.c
Tux.png Linux.pdf website.html csvfile.csv globe.avi
roderick@RsLinux:~/lab5files$
2: roderick@RsLinux: ~
0 if OK,
1 if minor problems (e.g., cannot access subdirectory),
2 if serious trouble (e.g., cannot access command-line argument).
GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/ls>
or available locally via: info '(coreutils) ls invocation'
roderick@RsLinux:~$ /sort
bash: /sort: No such file or directory
roderick@RsLinux:~$

Question 3


1/1
Tilix: roderick@RsLinux: ~/marstenHouse
1: roderick@RsLinux: ~/marstenHouse
roderick@RsLinux:~$ cd marstenHouse
roderick@RsLinux:~/marstenHouse$ ls
kitchen
roderick@RsLinux:~/marstenHouse$ pwd
/home/roderick/marstenHouse
roderick@RsLinux:~/marstenHouse$ ls -a
. .. .key5 kitchen
roderick@RsLinux:~/marstenHouse$ realpath ".key5"
/home/roderick/marstenHouse/.key5
roderick@RsLinux:~/marstenHouse$


1/1
...rick@RsLinux: ~/marstenHouse/kitchen/dining_room/basement
1: roderick@RsLinux: ~/marstenHouse/kitchen/dining_room/basement
roderick@RsLinux:~/marstenHouse$ ls -a
. .. .key5 kitchen
roderick@RsLinux:~/marstenHouse$ realpath ".key5"
/home/roderick/marstenHouse/.key5
roderick@RsLinux:~/marstenHouse$ cd kitchen
roderick@RsLinux:~/marstenHouse/kitchen$ ls
dining_room
roderick@RsLinux:~/marstenHouse/kitchen$ ls -a
. .. dining_room .key2
roderick@RsLinux:~/marstenHouse/kitchen$ realpath ".key2"
/home/roderick/marstenHouse/kitchen/.key2
roderick@RsLinux:~/marstenHouse/kitchen$ cd dining_room/
roderick@RsLinux:~/marstenHouse/kitchen/dining_room$ ls -a
. .. basement dining_room .key4 library master_bedroom
roderick@RsLinux:~/marstenHouse/kitchen/dining_room$ realpath ".key4"
/home/roderick/marstenHouse/kitchen/dining_room/.key4
roderick@RsLinux:~/marstenHouse/kitchen/dining_room$ cd basement/
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ ls -a
. .. .key1 .key3
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ realpath ".key1"
/home/roderick/marstenHouse/kitchen/dining_room/basement/.key1
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ realpath ".key3"
/home/roderick/marstenHouse/kitchen/dining_room/basement/.key3
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$


1/1
Tilix: roderick@RsLinux: ~/marstenHouse
1: roderick@RsLinux: ~/marstenHouse
/home/roderick/marstenHouse/kitchen/dining_room/basement/.key1
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ realpath ".key3"
/home/roderick/marstenHouse/kitchen/dining_room/basement/.key3
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ cd marstenHouse
bash: cd: marstenHouse: No such file or directory
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ ../../../
bash: ../../../: Is a directory
roderick@RsLinux:~/marstenHouse/kitchen/dining_room/basement$ cd ../../../
roderick@RsLinux:~/marstenHouse$ tree -a
.
├── .key5
└── kitchen
    ├── dining_room
    │   ├── basement
    │   │   ├── .key1
    │   │   └── .key3
    │   ├── dining_room
    │   ├── .key4
    │   ├── library
    │   └── master_bedroom
    └── .key2
7 directories, 5 files
roderick@RsLinux:~/marstenHouse$