

Task 7

Commands description:

Pwd (print working directory):

To return the current location

Ls (list the content):

To return the content of the directory.

Mkdir(make directory):

To create a new folder.

Cd (change directory):

To make access to another folder.

touch test.txt:

To create a text file.

Nano test.txt (code editor):

To edit the file test.

Cat(concatenate):

To show the content of the file we edited.

Echo:

To print in terminal

Rm:

To remove a file.

cd ...:

to return back to home

man rm:

to view the manual of the rm.

Rm -r training_25:

To remove the following folder.

Ls -l:

To view the folder in the form of list.

Ls -a:

List all the folders

Cd ~:

To go direct to home directory.

Ls | grep ls:

To search in the output of the ls and give the outputs that contain ls only.

Clear:

To clear the terminal.

./ls :

To run the executable.

chmod:

Change file mode bits.

.bashrc:

Runs once we open a new session for the terminal.

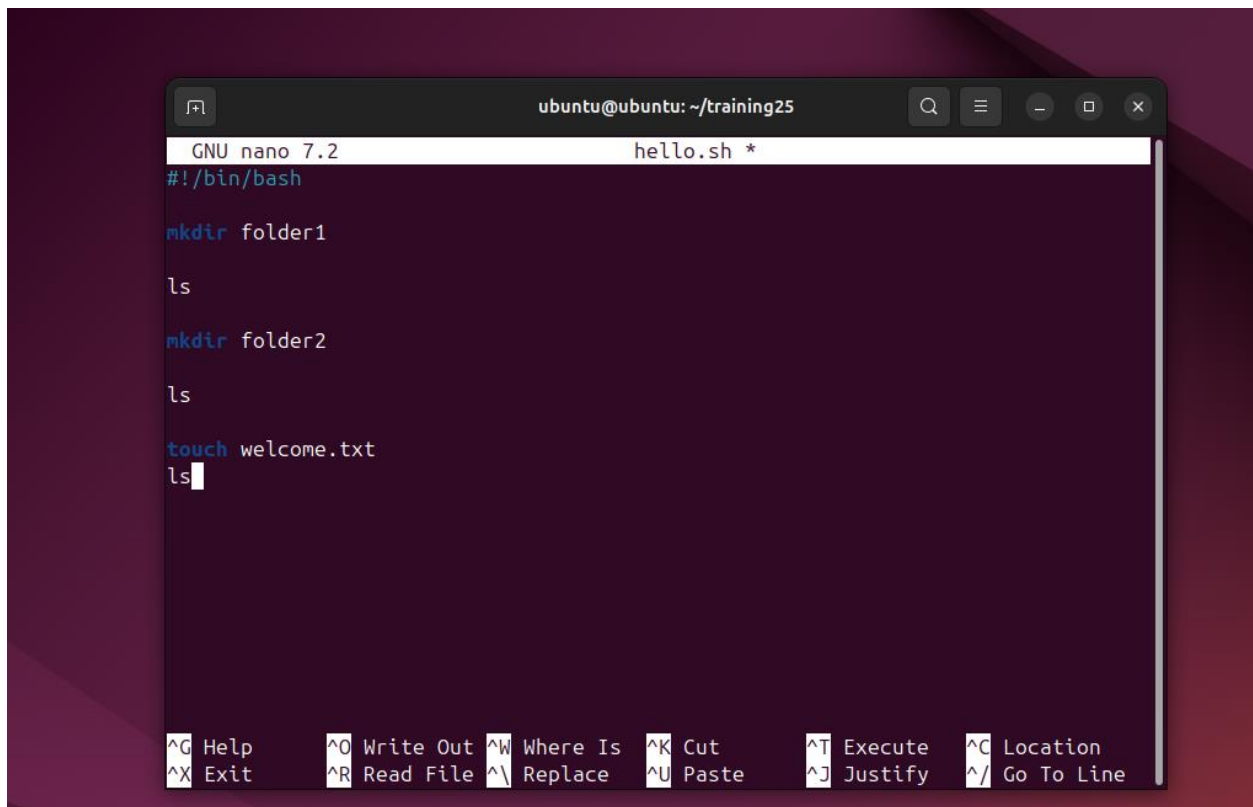
Screenshots of some of the commands in the terminal:

```
Aug 14 01:01
ubuntu@ubuntu: ~
ubuntu@ubuntu:~/MIA25$ ls
test.txt
ubuntu@ubuntu:~/MIA25$ nano test.txt
ubuntu@ubuntu:~/MIA25$ cat test.txt
Welcome to MIA!
ubuntu@ubuntu:~/MIA25$ nano test.txt
ubuntu@ubuntu:~/MIA25$ cat
^C
ubuntu@ubuntu:~/MIA25$ cat test.txt
Welcome to MIA!
Hello World
ubuntu@ubuntu:~/MIA25$ echo Hello World
Hello World
ubuntu@ubuntu:~/MIA25$ ls
test.txt
ubuntu@ubuntu:~/MIA25$ rm test.txt
ubuntu@ubuntu:~/MIA25$ ls
ubuntu@ubuntu:~/MIA25$ cd ..
ubuntu@ubuntu:~$ ls
Desktop  Downloads  Music      Public  Templates  Videos
Documents  MIA25      Pictures   snap    training_25
ubuntu@ubuntu:~$ man rm
ubuntu@ubuntu:~$ clear
```

```
Aug 14 01:07
ubuntu@ubuntu: ~
ubuntu@ubuntu:~$ rm -r training_25
ubuntu@ubuntu:~$ ls
Desktop Documents Downloads MIA25 Music Pictures Public snap Templates Videos
ubuntu@ubuntu:~$ rm -r MIA25
ubuntu@ubuntu:~$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
ubuntu@ubuntu:~$ man ls
ubuntu@ubuntu:~$ ls -l
total 0
drwxr-xr-x 2 ubuntu ubuntu 60 Aug 14 00:36 Desktop
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Documents
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Downloads
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Music
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Pictures
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Public
drwx----- 4 ubuntu ubuntu 80 Aug 14 00:37 snap
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Templates
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Videos
ubuntu@ubuntu:~$ ls -a
. .bash_history .bashrc .config Documents .gnupg .lessshst Music .profile snap .sudo_as_admin_successful Videos
.. .bash_logout .cache Desktop Downloads .gvfs .local Pictures Public .ssh Templates
ubuntu@ubuntu:~$ ls -l -a
total 20
drwxr-xr-x 17 ubuntu ubuntu 460 Aug 14 01:04 .
drwxr-xr-x 1 root root 60 Aug 14 00:37 ..
-rw----- 1 ubuntu ubuntu 50 Aug 14 00:41 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Aug 14 00:36 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Aug 14 00:36 .bashrc
drwx----- 10 ubuntu ubuntu 220 Aug 14 00:37 .cache
drwxr-xr-x 12 ubuntu ubuntu 400 Aug 14 00:48 .config
drwxr-xr-x 2 ubuntu ubuntu 60 Aug 14 00:36 Desktop
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Documents
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Downloads
drwx----- 2 ubuntu ubuntu 80 Aug 14 00:41 .gnupg
drwx----- 2 ubuntu ubuntu 40 Aug 14 00:36 .gvfs
-rw----- 1 ubuntu ubuntu 20 Aug 14 01:04 .lessshst
drwx----- 4 ubuntu ubuntu 80 Aug 14 00:37 .local
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Music
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Pictures
-rw-r--r-- 1 ubuntu ubuntu 807 Aug 14 00:36 .profile
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Public
drwx----- 4 ubuntu ubuntu 80 Aug 14 00:37 snap
drwx----- 2 ubuntu ubuntu 40 Aug 14 00:37 .ssh
-rw-r--r-- 1 ubuntu ubuntu 0 Aug 14 00:37 .sudo_as_admin_successful
drwxr-xr-x 2 ubuntu ubuntu 40 Aug 14 00:37 Templates
```

```
total 20
drwxr-x--- 17 ubuntu ubuntu 460 Aug 14 01:04 .
drwxr-xr-x  1 root  root   80 Aug 14 00:37 ..
-rw-----  1 ubuntu ubuntu  50 Aug 14 00:41 .bash_history
-rw-r--r--  1 ubuntu ubuntu 220 Aug 14 00:36 .bash_logout
-rw-r--r--  1 ubuntu ubuntu 3771 Aug 14 00:36 .bashrc
drwx----- 10 ubuntu ubuntu 220 Aug 14 00:37 .cache
drwxr-xr-x 12 ubuntu ubuntu 400 Aug 14 00:48 .config
drwxr-xr-x  2 ubuntu ubuntu  60 Aug 14 00:36 Desktop
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Documents
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Downloads
drwx-----  2 ubuntu ubuntu  80 Aug 14 00:41 .gnupg
drwx-----  2 ubuntu ubuntu  40 Aug 14 00:36 .gvfs
-rw-----  1 ubuntu ubuntu  20 Aug 14 01:04 .lessht
drwx-----  4 ubuntu ubuntu  80 Aug 14 00:37 .local
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Music
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Pictures
-rw-r--r--  1 ubuntu ubuntu 807 Aug 14 00:36 .profile
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Public
drwx-----  4 ubuntu ubuntu  80 Aug 14 00:37 snap
drwx-----  2 ubuntu ubuntu  40 Aug 14 00:37 .ssh
-rw-r--r--  1 ubuntu ubuntu   0 Aug 14 00:37 .sudo_as_admin_successful
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Templates
drwxr-xr-x  2 ubuntu ubuntu  40 Aug 14 00:37 Videos
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ cd .. =
bash: cd: too many arguments
ubuntu@ubuntu:~$ cd ..
ubuntu@ubuntu:/home$ cd ..
ubuntu@ubuntu:/$
```

```
Aug 14 01:25
ubuntu@ubuntu: /bin
See 'snap info <snapname>' for additional versions.
ubuntu@ubuntu:/bin$ ls | grep ls
alsabat
alsaaloop
alsamixer
alsatplg
alsaucm
brltty-lscmds
enchant-lsmod-2
false
grub-menulst2cfg
hp-levels
inetutils-telnet
ls
lsattr
lsblk
lsb_release
lscpu
lshw
lsinitramfs
lsipc
lslocks
lslogins
lsmem
lsmod
lsns
lsnf
lspci
lspgpot
lspower
lsusb
md5sum.textutils
ntfsls
pipewire-pulse
systemd-cgls
tclsh
tclsh8.6
which.debianutils
xliatons
xliclients
xlifonts
xliostat
zipdetails
ubuntu@ubuntu:/bin$
```



A terminal window titled 'ubuntu@ubuntu: ~/training25' is shown. The window contains a nano 7.2 editor editing a file named 'hello.sh'. The code in the editor is as follows:

```
#!/bin/bash

mkdir folder1

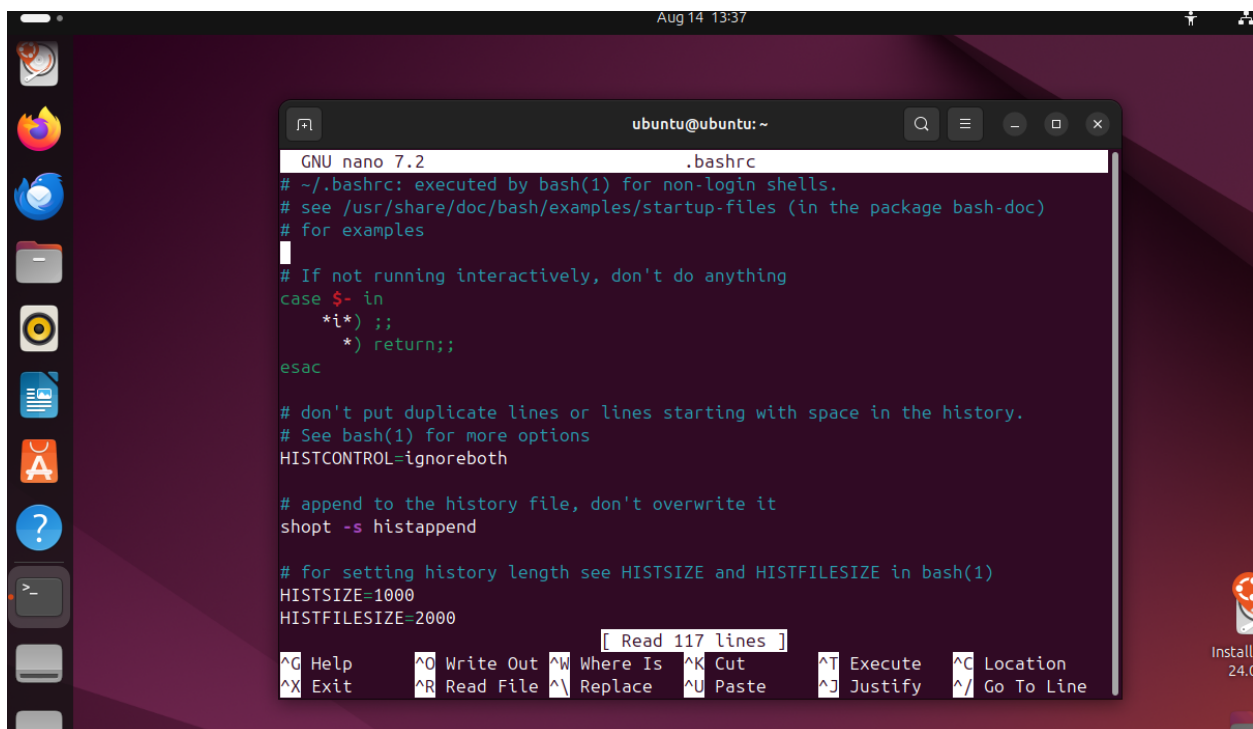
ls

mkdir folder2

ls

touch welcome.txt
ls
```

The bottom status bar of the nano editor displays the following shortcuts: ^G Help, ^X Exit, ^O Write Out, ^R Read File, ^W Where Is, ^_ Replace, ^K Cut, ^U Paste, ^T Execute, ^J Justify, ^C Location, and ^_ Go To Line.



A terminal window titled 'ubuntu@ubuntu: ~' is shown. The window contains a nano 7.2 editor editing a file named '.bashrc'. The code in the editor is as follows:

```
# ~/.bashrc: executed by bash(1) for non-login shells.
# see /usr/share/doc/bash/examples/startup-files (in the package bash-doc)
# for examples

# If not running interactively, don't do anything
case $- in
  *(i*) ;;
  *) return;;
esac

# don't put duplicate lines or lines starting with space in the history.
# See bash(1) for more options
HISTCONTROL=ignoreboth

# append to the history file, don't overwrite it
shopt -s histappend

# for setting history length see HISTSIZE and HISTFILESIZE in bash(1)
HISTSIZE=1000
HISTFILESIZE=2000
```

The bottom status bar of the nano editor displays the same shortcuts as the first window. Additionally, a status bar at the bottom of the terminal window indicates '[Read 117 lines]'.