

CHAPTER 4 COMMANDS :

1. NAUTILUS command was not working in MACOS

```
Desktop      Lab01_Muhammad_Anas  Movies      Public
Documents    Lab_01_part_02_anas  Music       cpu
Downloads    Library              Pictures     cpu.c
HU-IMAC-VGL06:~ ma08458$ man nautilus
Unknown locale, assuming C
No manual entry for nautilus
HU-IMAC-VGL06:~ ma08458$
```

2. Dolphin command also not working :

```
NO manual entry for nautilus
HU-IMAC-VGL06:~ ma08458$ dolphin
-bash: dolphin: command not found
HU-IMAC-VGL06:~ ma08458$
```

3. \$pwd

```
-bash: dolphin: command not found
HU-IMAC-VGL06:~ ma08458$ pwd
/Users/ma08458
HU-IMAC-VGL06:~ ma08458$
```

4. cd /usr/local/bin and then check the directory

```
HU-IMAC-VGL06:~ ma08458$ pwd
/Users/ma08458
HU-IMAC-VGL06:~ ma08458$ cd /usr/local/bin
HU-IMAC-VGL06:bin ma08458$ pwd
/usr/local/bin
HU-IMAC-VGL06:bin ma08458$
```

5. \$ cd .. and then check the current directory

```

/usr/local/bin
[HU-IMAC-VGL06:bin ma08458$ cd ..
[HU-IMAC-VGL06:local ma08458$ owd
-bash: owd: command not found
[HU-IMAC-VGL06:local ma08458$ pwd
/usr/local
HU-IMAC-VGL06:local ma08458$ █

```

6. \$ ls commands (ls, ls/, ls -a)

```

/usr/local
[HU-IMAC-VGL06:local ma08458$ ls
bin
[HU-IMAC-VGL06:local ma08458$ ls /
Applications  Network      Users        bin           dev           home          private       tmp           var
Library       System       Volumes      cores         etc           opt           sbin          usr
[HU-IMAC-VGL06:local ma08458$
[HU-IMAC-VGL06:local ma08458$ ls -a
.  ..      bin
[HU-IMAC-VGL06:local ma08458$ █

```

\$ -l is added for displaying files on separate lines

```

Library      System      volumes      cores
[HU-IMAC-VGL06:local ma08458$ ls -l -l
.
..
bin
[HU-IMAC-VGL06:local ma08458$ ls -l -l
.  ..      bin
[HU-IMAC-VGL06:local ma08458$ █

```

7. \$ file <filename>

```

users/ma08458
[HU-IMAC-VGL06:ma08458 ma08458$ file lab_1_Muhammad_Anas
lab_1_Muhammad_Anas: Unicode text, UTF-8 text, with very long lines (1104), with CRLF, CR, LF line terminators, with escape sequences
[HU-IMAC-VGL06:ma08458 ma08458$ █

```

8. \$ less <filename>

```
Script started on Tue Aug 20 16:58:46 2024

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
ESC[?1034hbash-3.2$ cal
      August 2024
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 ESC[7m20ESC[27m 21 22 23 24
25 26 27 28 29 30 31

bash-3.2$ dateESC[Ke
Tue Aug 20 17:00:49 PKT 2024
bash-3.2$ whESC[ESC[ESC[K^Gdate -c
date: illegal option -- c
usage: date [-jnRu] [-I[date|hours|minutes|seconds]] [-f input_fmt]
        [-r filename|seconds] [-v[+|-]val[y|m|w|d|H|M|S]]
        [[[mm]dd]HH]MM[[cc]yy][.SS] | new_date] [+output_fmt]

bash-3.2$ date -c
date: illegal option -- c
usage: date [-jnRu] [-I[date|hours|minutes|seconds]] [-f input_fmt]
        [-r filename|seconds] [-v[+|-]val[y|m|w|d|H|M|S]]
        [[[mm]dd]HH]MM[[cc]yy][.SS] | new_date] [+output_fmt]

bash-3.2$ whoami
ma08458
bash-3.2$ hostname
HU-IMAC-VGL06.huf.local
bash-3.2$ df
Filesystem            512-blocks    Used Available Capacity iused      ifree %used    Mounted on
/dev/disk3s3s1  478724992  19764000 339236840      6% 393731 1696184200      0% /
devfs                402          0      100%    696      0 100%    /dev
/dev/disk3s6  478724992  4194344 339236840      2%   2 1696184200      0% /System/Volumes/VM
/dev/disk3s4  478724992  11730376 339236840      4% 1379 1696184200      0% /System/Volumes/Preboot
/dev/disk3s2  478724992  126760 339236840      1%   44 1696184200      0% /System/Volumes/Update
lab_1 Muhammad_Anas
```

It opened the file given in command

9. \$ mkdir <filename>

```
[HU-IMAC-VGL06:ma08458 ma08458$ less lab_1_Muhammad_Anas
[HU-IMAC-VGL06:ma08458 ma08458$ mkdir python cpp java r
[HU-IMAC-VGL06:ma08458 ma08458$
```

```
[HU-IMAC-VGL06:ma08458 ma08458$ mkdir python cpp java r
[HU-IMAC-VGL06:ma08458 ma08458$ ls
Desktop      Lab01_Muhammad_Anas  Movies      Public      cpu.c      python
Documents    Lab_01_part_02_anas  Music       cpp         java       /dev
Downloads    Library              Pictures     cpu         lab_1_Muhammad_Anas
```

10. \$ touch <filename>

```
Downloads    Library              Pictures     cpu         lab_1_Muhammad_Anas
[HU-IMAC-VGL06:ma08458 ma08458$ touch hello.txt
[HU-IMAC-VGL06:ma08458 ma08458$ ls
Desktop      Lab01_Muhammad_Anas  Movies      Public      cpu.c      lab_1_Muhammad_Anas
Documents    Lab_01_part_02_anas  Music       cpp         hello.txt  python
Downloads    Library              Pictures     cpu         java       r
[HU-IMAC-VGL06:ma08458 ma08458$
```

11. \$ cat > <filename>

(this command for stuck and was not giving any output)

```
ma08458 — cat — 146x38
[HU-IMAC-VGL06:ma08458 ma08458$ cat > hello.txt
^C
[HU-IMAC-VGL06:ma08458 ma08458$ cat > lab_1_Muhammad_Anas
```

12. \$ cp <item1> <item2> ... <directory>

```
testfolder -- -bash -- 146x38
HU-IMAC-VGL06:ma08458 ma08458$ ls
Desktop      Lab01_Muhammad_Anas  Movies      Public      cpu.c      lab_1_Muhammad_Anas
Documents    Lab_01_part_02_anas  Music       cpp         hello.txt  python
Downloads    Library              Pictures    java        testfolder r
HU-IMAC-VGL06:ma08458 ma08458$ mkdir testfolder
HU-IMAC-VGL06:ma08458 ma08458$ cp hello.txt testfolder
HU-IMAC-VGL06:ma08458 ma08458$ ls
Desktop      Lab_01_part_02_anas  Pictures    cpu.c      python
Documents    Library              Public      hello.txt  r
Downloads    Movies               cpp         java       testfolder
Lab01_Muhammad_Anas  Music               cpu         lab_1_Muhammad_Anas
HU-IMAC-VGL06:ma08458 ma08458$ cd testfolder
HU-IMAC-VGL06:testfolder ma08458$ ls
hello.txt
HU-IMAC-VGL06:testfolder ma08458$
```

I created a folder using mkdir command and then copied a file “hello.txt” to that folder and ensured it was copied using ls command

13. \$ softlink command :

```
testfolder -- -bash -- 146x38
HU-IMAC-VGL06:testfolder ma08458$ ln -s hello.txt sample_link
HU-IMAC-VGL06:testfolder ma08458$ ls
hello.txt      sample_link
HU-IMAC-VGL06:testfolder ma08458$
```