

Experiment – 1

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1) Whoami

Displays user, group and privileges information for the user who is currently logged on to the local system. If used without parameters, whoami displays the current domain and user name.

```
Madhura@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ whoami
Madhura
```

2) --version

Checks the version of a program or software.

```
Madhura@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ git --version
git version 2.39.0.windows.2
```

3) pwd

The pwd command writes to standard output the full path name of your current directory (from the root directory). All directories are separated by a / (slash).

```
Madhura@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ pwd
/c/Users/Madhura/Desktop
```

4) ls

The ls command is used to list files. "ls" on its own lists all files in the current directory except for hidden files.

```
Madhura@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ ls
/          desktop.ini      Downloads.lnk*    'New folder'/    'Web Development.lnk'*
'~$$.pdf' 'Downloads D.lnk'* 'Local Disk (D).lnk'* 'Visual Studio Code.lnk'*
```

5) -R

The ls command lists the contents of your current working directory and recurring files.

```

Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ ls -R
.:
 /      desktop.ini      Downloads.lnk*      'New folder'/      'Web Development.lnk'*
 '~$$.pdf' 'Downloads D.lnk'* 'Local Disk (D).lnk'* 'Visual Studio Code.lnk'*

./ :
desktop.ini

'./New folder':
03-31-107-100-108-020_4_7_2022.pdf device.txt Pdf_820071300150722.pdf

```

6) -a

The ls command is used to list hidden directories and files.

```

Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ ls -a
./  ../      desktop.ini      Downloads.lnk*      'New folder'/      'Web Development.lnk'*
'~$$.pdf' 'Downloads D.lnk'* 'Local Disk (D).lnk'* 'Visual Studio Code.lnk'*

```

7) history

history command is used to view the previously executed command.

```

Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ history
 1 pwd
 2 ls
 3 ls -R
 4 ls -a
 5 history

```

8) clear

The clear command clears your screen, if possible. The clear command first checks the TERM environment variable for the terminal type.

9) Echo

In computing, echo is a command that outputs the strings that are passed to it as arguments.

```

Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ echo madhurammodi
madhurammodi

```

10) touch

The touch command updates the access and modification times of each file specified by the File parameter of each directory specified by the Directory parameter.

```

Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ touch 1.cpp

```

11) rm

The rm command is used to delete files. rm -i will ask before deleting each file.

```
Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ rm 1.cpp
```

12) mkdir

The mkdir command in Linux/Unix allows users to create or make new directories. mkdir stands for “make directory.”

```
Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ mkdir newfolder
```

13) rmdir

The rmdir command removes the directory, specified by the Directory parameter, from the system. The directory must be empty before you can remove it, and you must have write permission in its parent directory.

```
Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ rmdir newfolder
```

14) --help

The help command is a command that's used to provide more information on another command.

```
Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ whoami --help
Usage: whoami [OPTION]...
Print the user name associated with the current effective user ID.
Same as id -un.

    --help      display this help and exit
    --version   output version information and exit

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/whoami>
or available locally via: info '(coreutils) whoami invocation'
```

15) mv

The mv command moves files and directories from one directory to another or renames a file or directory. If you move a file or directory to a new directory, it retains the base file name.

```
Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ mv new.java madhuram.java
```

16) date

The date command shows the current day, date and time.

```
Madhuram@LAPTOP-FIJA1JIK MINGW64 ~/Desktop
$ date
Thu, Jan 19, 2023  6:32:30 PM
```