

Name of Student: Chanchal Mahendra Thawkar

Roll No. : CD24013

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ pwd
/c/Users/chanc/OneDrive/Desktop

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ echo Hello Word
Hello Word

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeTantra SEA.ink'*  OS_CD24013/  'Recording 2026-01-17 155907.mp4'  'WD html iit.txt'  desktop.ini  'final record.mp4'  jsapp/  'recording 2.mp4'

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ cat ^C
```

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ cat ^C

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ cat WD html iit.txt
cat: WD: No such file or directory
cat: html: No such file or directory
cat: iit.txt: No such file or directory

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ man ls
bash: man: command not found

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
```

```
ls --help
Usage: ls [OPTION]... [FILE]...
List information about the FILEs (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.
-@, --all          do not ignore entries starting with .
--almost-all      do not list implied . and ..
--author          with -l, print the author of each file
--escape          print C-style escapes for nonprinting characters
--block-size=SIZE with -l, scale sizes by SIZE when printing them;
                  e.g., '--block-size=M'; see SIZE format below
-B, --ignore-backups   do not list implied entries ending with ~
-c                with -lt: sort by, and show, ctime (time of last
                  modification of file status information);
                  with -l: show ctime and sort by name;
                  otherwise: sort by ctime, newest first
-C, --color[=WHEN]  list entries by columns
                  colorize the output; WHEN can be 'always' (default
                  if omitted), 'auto', or 'never'; more info below
-d, --directory    list directories themselves, not their contents
--dired           generate output designed for Emacs' dired mode
-f                do not sort, enable -av, disable -ls --color
-F, --classify    append indicator (one of */=>@!) to entries
--file-type       likewise, except do not append '*'
--format=WORD     across -x, commas -m, horizontal -x, long -l,
                  single-column -1, verbose -l, vertical -c
--full-time       like -l --time-style=full-iso
-g                like -l, but do not list owner
--group-directories-first group directories before files.
```

```
--full-time           like -l --time-style=full-iso
-g                  like -l, but do not list owner
--group-directories-first
                     group directories before files;
                     can be augmented with a --sort option, but any
                     use of --sort=None (-U) disables grouping
-G, --no-group       in a long listing, don't print group names
-h, --human-readable with -l and -s, print sizes like 1K 234M 2G etc.
--si                 likewise, but use powers of 1000 not 1024
-H, --dereference-command-line
                     follow symbolic links listed on the command line
--dereference-command-line-symlink-to-dir
                     follow each command line symbolic link
                     that points to a directory
--hide=PATTERN       do not list implied entries matching shell PATTERN
                     (overridden by -a or -A)
--hyperlink[=WHEN]   hyperlink file names; WHEN can be 'always',
                     (default if omitted), 'auto', or 'never'
--indicator-style=WORD
                     append indicator with style WORD to entry names:
                     none (default), slash (-p),
                     file-type (-file-type), classify (-F)
-i, --inode          print the index number of each file
-I, --ignore=PATTERN do not list implied entries matching shell PATTERN
-k, --kibibytes      default to 1024-byte blocks for disk usage;
                     used only with -s and per directory totals
-l                  use a long listing format
-L, --dereference    when showing file information for a symbolic
                     link, show information for the file the link
                     references rather than for the link itself
-m                  fill width with a comma separated list of entries
-n, --numeric-uid-gid like -l, but list numeric user and group IDs
-N, --literal         print entry names without quoting
-o                  like -l, but do not list group information
```

```
--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 (powers of 1024) or KB,MB,... (powers of 1000).
Binary prefixes can be used, too: KiB=K, MiB=M, and so on.

The TIME_STYLE argument can be full-iso, long-iso, iso, locale, or +FORMAT.
FORMAT is interpreted like in date(1). If FORMAT is FORMAT1<newline>FORMAT2,
then FORMAT1 applies to non-recent files and FORMAT2 to recent files.
TIME_STYLE prefixed with 'posix-' takes effect only outside the POSIX locale.
Also the TIME_STYLE environment variable sets the default style to use.

Using color to distinguish file types is disabled both by default and
with --color=never. With --color=auto, ls emits color codes only when
standard output is connected to a terminal. The LS_COLORS environment
variable can change the settings. Use the dircolors command to set it.

Exit status:
 0 if OK,
 1 if minor problems (e.g., cannot access subdirectory),
 2 if serious trouble (e.g., cannot access command-line argument).
```

The SIZE argument is an integer and optional unit (example: 10K is 10*1024).
 Units are K,M,G,T,P,E,Z,Y (powers of 1024) or KB,MB,... (powers of 1000).
 Binary prefixes can be used, too: KiB=K, MiB=M, and so on.

The TIME_STYLE argument can be full-iso, long-iso, iso, locale, or +FORMAT.
 FORMAT is interpreted like in date(1). If FORMAT is FORMAT1<newline>FORMAT2,
 then FORMAT1 applies to non-recent files and FORMAT2 to recent files.
 TIME_STYLE prefixed with 'posix-' takes effect only outside the POSIX locale.
 Also the TIME_STYLE environment variable sets the default style to use.

Using color to distinguish file types is disabled both by default and
 with --color=never. With --color=auto, ls emits color codes only when
 standard output is connected to a terminal. The LS_COLORS environment
 variable can change the settings. Use the dircolors command to set it.

Exit status:
 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/>>
Report any translation bugs to <<https://translationproject.org/team/>>
Full documentation <<https://www.gnu.org/software/coreutils/ls>>
or available locally via: info '(coreutils) ls invocation'

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ grep "Hello" wd.html iit.txt
grep: wd: No such file or directory
grep: html: No such file or directory
grep: iit.txt: No such file or directory

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ head -n 5 wd.html iit.txt
head: cannot open 'wd' for reading: No such file or directory
head: cannot open 'html' for reading: No such file or directory
head: cannot open 'iit.txt' for reading: No such file or directory

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ tail -n 5 wd.html iit.txt
tail: cannot open 'wd' for reading: No such file or directory
tail: cannot open 'html' for reading: No such file or directory
tail: cannot open 'iit.txt' for reading: No such file or directory

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod u-r wd.html iit.txt
chmod: cannot access 'wd': No such file or directory
chmod: cannot access 'html': No such file or directory
chmod: cannot access 'iit.txt': No such file or directory

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ cp first.txt newfile.txt
cp: cannot stat 'first.txt': No such file or directory

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeForTrantra SEA_1.mkv'  OS_CD24013/ 'Recording 2026-01-17 155907.mp4'  'wd.html iit.txt'  desktop.ini  'final record.mp4'  jsapp/ 'recording 2.mp4'

chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ mv newfile.txt data.txt
mv: cannot stat 'newfile.txt': No such file or directory
```

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ cp first.txt newfile.txt
cp: cannot stat 'first.txt': No such file or directory
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeForTrantra SEA_1nk'* os_cd24013/ 'Recording 2026-01-17 155907.mp4' 'WD html iit.txt' desktop.ini 'final record.mp4' jsapp/ 'recording 2.mp4'
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ mv newfile.txt data.txt
mv: cannot stat 'newfile.txt': No such file or directory
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeForTrantra SEA_1nk'* os_cd24013/ 'Recording 2026-01-17 155907.mp4' 'WD html iit.txt' desktop.ini 'final record.mp4' jsapp/ 'recording 2.mp4'
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ rm final.txt
rm: cannot remove 'final.txt': No such file or directory
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeForTrantra SEA_1nk'* os_cd24013/ 'Recording 2026-01-17 155907.mp4' 'WD html iit.txt' desktop.ini 'final record.mp4' jsapp/ 'recording 2.mp4'
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod u+w, o-rwx WD html iit.txt
chmod: invalid mode: 'u+w,'
Try 'chmod --help' for more information.
```

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeForTrantra SEA_1nk'* os_cd24013/ 'Recording 2026-01-17 155907.mp4' 'WD html iit.txt' desktop.ini 'final record.mp4' jsapp/ 'recording 2.mp4'
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod u+w, o-rwx WD html iit.txt
chmod: invalid mode: 'u+w,'
Try 'chmod --help' for more information.
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod u+rx, g+rwx, o+r wd html iit.txt
bash: chmod: command not found
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod a+rwx wd html iit.txt
bash: chmod: command not found
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod 700wd html iit.txt
chmod: invalid mode: '700wd'
```

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod u+w, o-rwx WD html iit.txt
chmod: invalid mode: 'u+w,'
Try 'chmod --help' for more information.
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod u+rwx, g+rwx, o+r wd html iit.txt
bash: chmod: command not found
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod a+rwx wd html iit.txt
bash: chmod: command not found
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod 700wd html iit.txt
chmod: invalid mode: '700wd'
Try 'chmod --help' for more information.
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod 600 wd html iit.txt
bash: chmod: command not found
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ chmod a+x WD html iit.txt
bash: chmod: command not found
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ mkdir practical
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ ls
'CodeForTrantra SEA_1nk'* os_cd24013/ 'Recording 2026-01-17 155907.mp4' 'WD html iit.txt' desktop.ini 'final record.mp4' jsapp/ practical/ 'recording 2.mp4'
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ las
bash: las: command not found
```

```
chanc@Chanchal MINGW64 ~/OneDrive/Desktop (main)
$ cd OS_CD24013

chanc@Chanchal MINGW64 ~/OneDrive/Desktop/OS_CD24013 (main)
$ |
```