

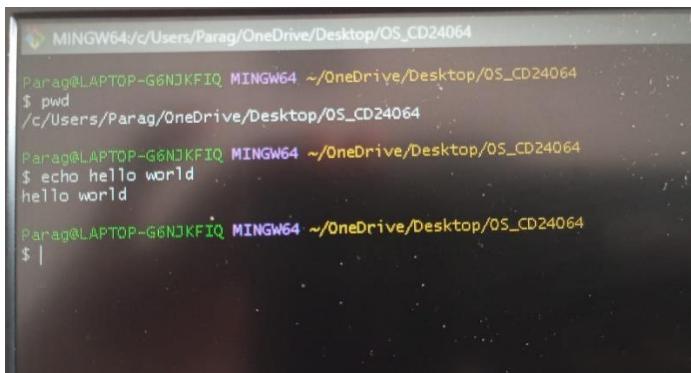
Practical No. 1

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Roll No: CD24064

Command: pwd , echo <arguments>

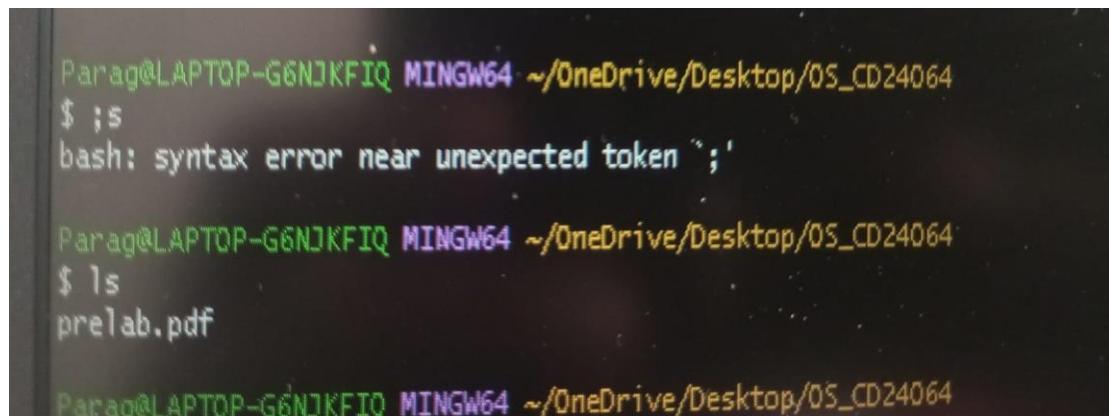
Screenshot :



```
MINGW64:c/Users/Parag/OneDrive/Desktop/OS_CD24064
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ pwd
/c/Users/Parag/OneDrive/Desktop/OS_CD24064
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ echo hello world
hello world
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ |
```

Command: ls

Screenshot :



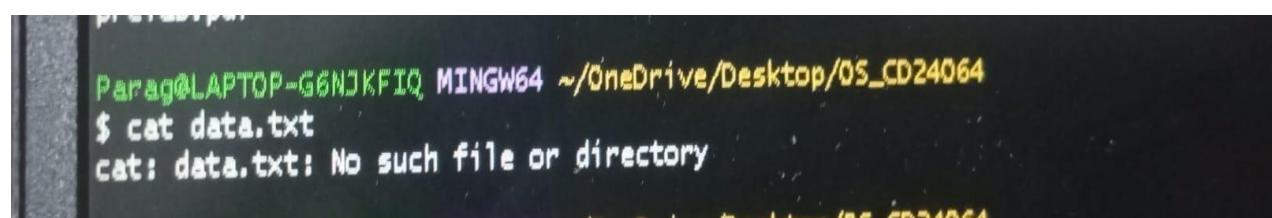
```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ;s
bash: syntax error near unexpected token `;'

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
prelab.pdf

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
```

Command: Cat <filename>

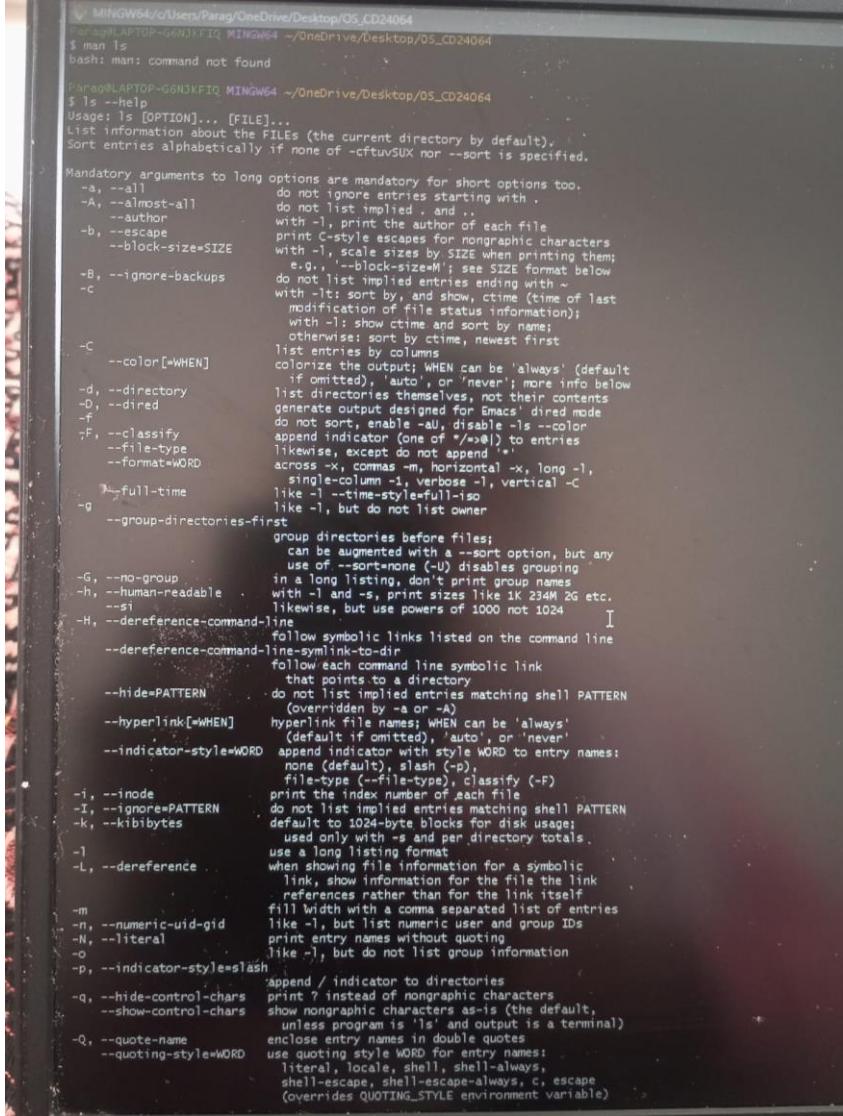
Screenshot :



```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ cat data.txt
cat: data.txt: No such file or directory
```

Command: man <command>

Screenshot :



The screenshot shows a terminal window with the following content:

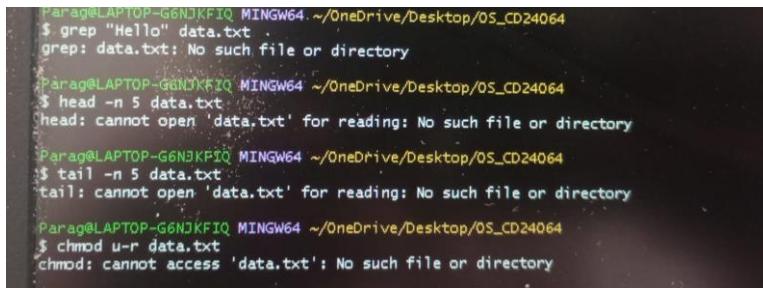
```
Parag@LAPTOP-G6NJKF1Q MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ man ls
bash: man: command not found

Parag@LAPTOP-G6NJKF1Q MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ 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.
  -a, --almost-all          do not ignore entries starting with .
  -A, --all                 do not list implied . and ..
  -b, --escape              with -l, print the author of each file
  -B, --block-size=SIZE     print C-style escapes for nongraphic characters
                           with -l, scale sizes by SIZE when printing them;
                           e.g., '--block-size=M'; see SIZE format below
  -c                         do not list implied entries ending with ~
  -C, --color[=WHEN]         with -l: 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
  -d, --directory           list entries by columns
                           colorize the output; WHEN can be 'always' (default
                           if omitted), 'auto', or 'never'; more info below
  -D, --dired               list directories themselves, not their contents
  -f                         generate output designed for Emacs' dired mode
  -F, --classify             do not sort, enable -aU, disable -lS --color
                           append indicator (one of '>=<@') to entries
                           likewise, except do not append *
  -f, --file-type            across -x, commas -m, horizontal -x, long -l,
                           single-column -l, verbose -l, vertical -C
  -f, --full-time            like -l --time-style=full-iso
  -g                         like -l, but do not list owner
  -g, --group-directories-first
                           group directories before files;
                           can be augmented with a --sort option, but any
                           use of --sort-none (-U) disables grouping
  -h, --human-readable       in a long listing, don't print group names
                           with -l and -s, print sizes like 1K 234M 2G etc.
  -s                         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 -l 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
  -p, --indicator-style=slash
                           append / indicator to directories
  -q, --hide-control-chars   print ? instead of nongraphic characters
  --show-control-chars       show nongraphic characters as-is (the default,
                           unless program is 'ls' and output is a terminal)
  -Q, --quote-name            enclose entry names in double quotes
  --quoting-style=WORD        use quoting style WORD for entry names:
                           literal, locale, shell, shell-always,
                           shell-escape, shell-escape-always, c, escape
                           (overrides QUOTING_STYLE environment variable)
```

Command: grep "<string>"<file> , head -n <N><file> , tail -n <N><file> , chmod u-r <filename>

Screenshot :



The screenshot shows a terminal window with the following content:

```
Parag@LAPTOP-G6NJKF1Q MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ grep "Hello" data.txt
grep: data.txt: No such file or directory

Parag@LAPTOP-G6NJKF1Q MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ head -n 5 data.txt
head: cannot open 'data.txt' for reading: No such file or directory

Parag@LAPTOP-G6NJKF1Q MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ tail -n 5 data.txt
tail: cannot open 'data.txt' for reading: No such file or directory

Parag@LAPTOP-G6NJKF1Q MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod u-r data.txt
chmod: cannot access 'data.txt': No such file or directory
```

Command: cp <source><destination> , mv<source><destination>

Screenshot:

```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ cp first.txt newfile.txt
cp: cannot stat 'first.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
prelab.pdf

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ mv newfile.txt data.txt
mv: cannot stat 'newfile.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
prelab.pdf
```

Command: rm<filename>

Screenshot :

```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
prelab.pdf

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ mv newfile.txt data.txt
mv: cannot stat 'newfile.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
prelab.pdf
```

Command: chmod u+w,o-rwx<filename> , chmod u+rx,g+rx,o+r <filename> , chmod o+rwx<filename> , chmod a-rwx <filename> , chmod 700<filename> , chmod 600<filename> , chmod a+x <filename>

Screenshot:

```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod u+w,o-rwx data.txt
chmod: cannot access 'data.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod u+rx,g+rx,o+r data.txt
chmod: cannot access 'data.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod o+rwx data.txt
chmod: cannot access 'data.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod a-rwx data.txt
chmod: cannot access 'data.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod 700 data.txt
chmod: cannot access 'data.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod 600 data.txt
chmod: cannot access 'data.txt': No such file or directory
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod a+x data.txt
chmod: cannot access 'data.txt': No such file or directory
```

Command: mkdir <directory-name>

Screenshot :

```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ mkdir practica;
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
```

Command: cd<directory-path>

Screenshot:

```
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ ls
practica/ prelab.pdf

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ cd OS_CD24064
bash: cd: OS_CD24064: No such file or directory

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ |
```