

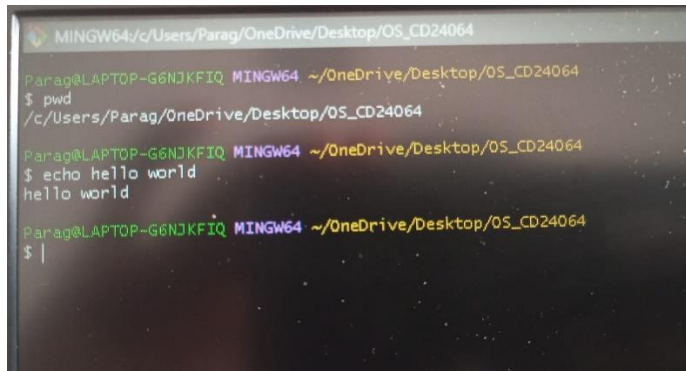
Practical No. 1

Student Name: Suhani Birkhede

Roll No: CD24064

Command: pwd , echo <arguments>

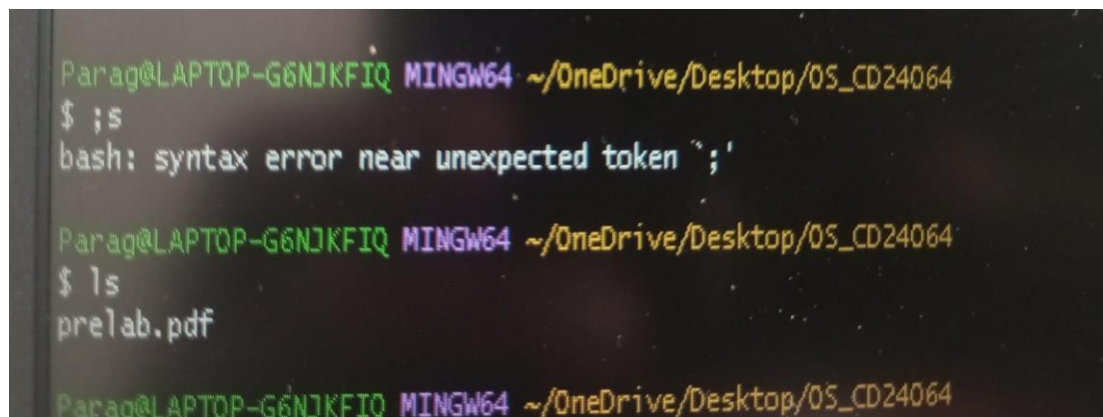
Screenshot :



```
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

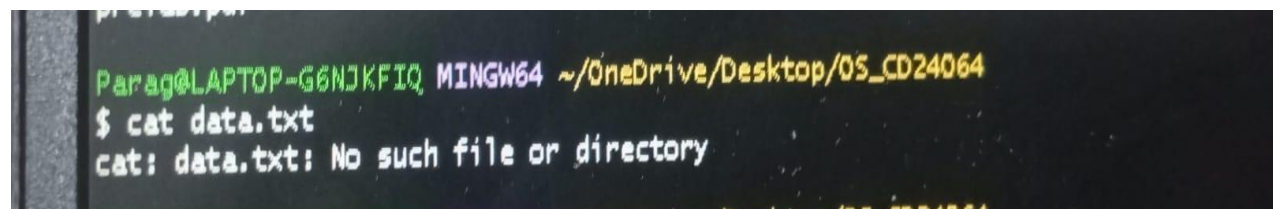
Screenshot :



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

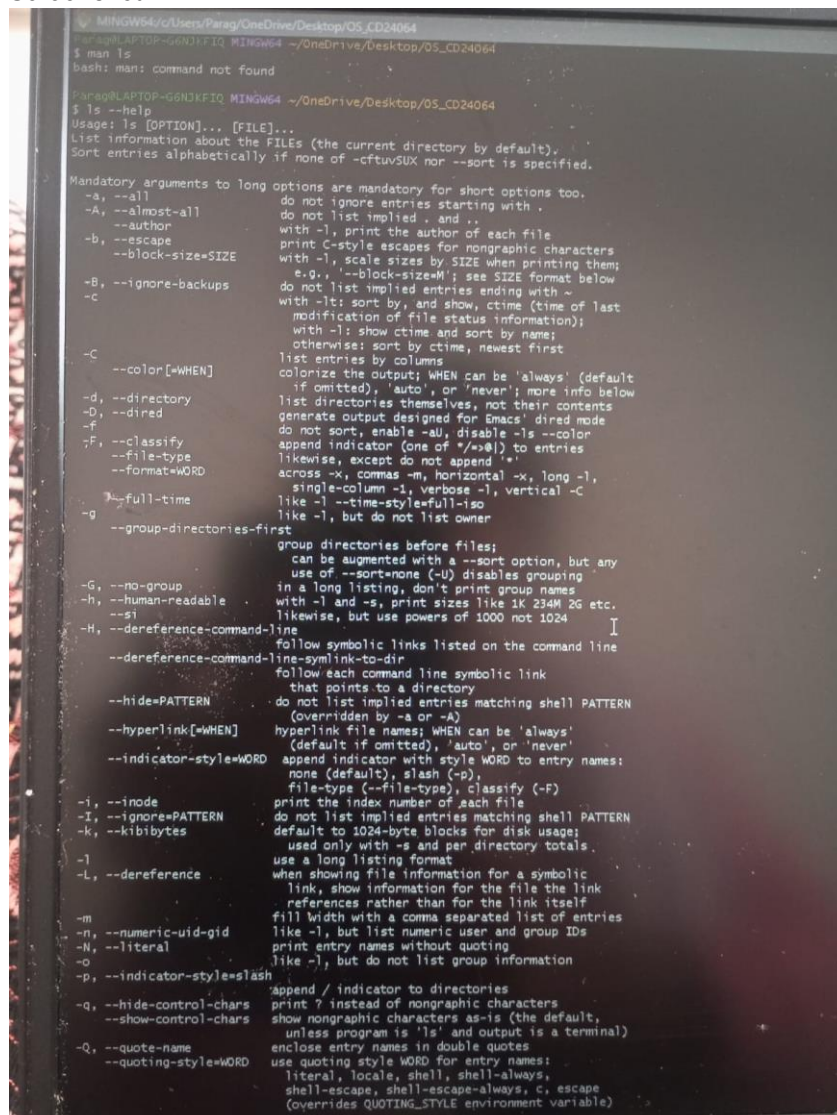
Screenshot :



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

Command: man <command>

Screenshot :



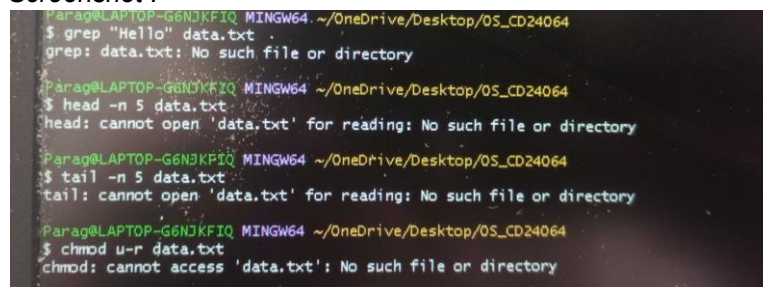
```
MINGW64/c/Users/Parag/OneDrive/Desktop/OS_CD24064
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ man ls
bash: man: command not found

Parag@LAPTOP-G6NJKFIQ 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, --all                do not ignore entries starting with .
-A, --almost-all        do not list implied . and ..
--author                with -l, print the author of each file
-b, --escape             print C-style escapes for nongraphic 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                      list entries by columns
--color[=WHEN]          colorize the output; WHEN can be 'always' (default
                        if omitted), 'auto', or 'never'; more info below
-d, --directory          list directories themselves, not their contents
-D, --dired              generate output designed for Emacs' dired mode
-f                      do not sort, enable -al, disable -is --color
--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 -l, 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;
                        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)
-l, --inode             file-type (-f-file-type), classify (-F)
-I, --ignore=PATTERN    print the index number of each file
-k, --kibibytes          do not list implied entries matching shell PATTERN
                        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
                        like -l, but list numeric user and group IDs
-n, --numeric-uid-gid   print entry names without quoting
--literal               like -l, but do not list group information
-o, --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 :



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

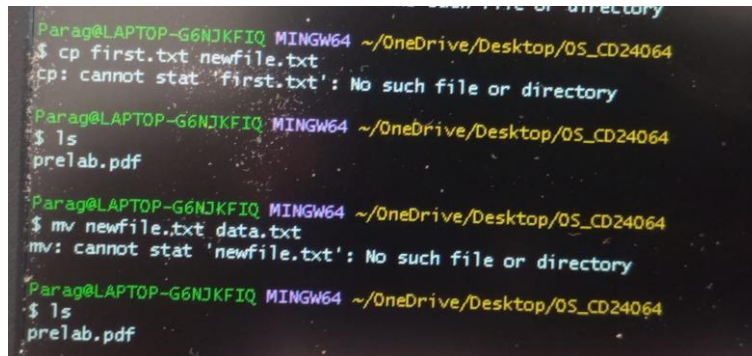
Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ head -n 5 data.txt
head: cannot open 'data.txt' for reading: No such file or directory

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ tail -n 5 data.txt
tail: cannot open 'data.txt' for reading: No such file or directory

Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064
$ chmod u-r data.txt
chmod: cannot access 'data.txt': No such file or directory
```

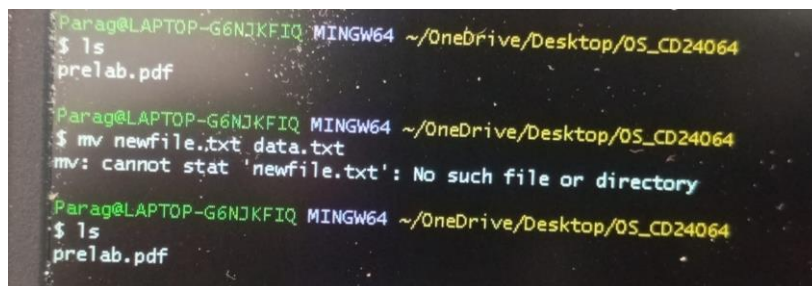
Command: cp <source><destination> , mv<source><destination>

Screenshot:

A screenshot of a terminal window with a dark background. The prompt is 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064'. The user enters '\$ cp first.txt newfile.txt', followed by the error 'cp: cannot stat 'first.txt': No such file or directory'. Then the user enters '\$ ls', showing 'prelab.pdf'. Next, the user enters '\$ mv newfile.txt data.txt', followed by the error 'mv: cannot stat 'newfile.txt': No such file or directory'. Finally, the user enters '\$ ls', showing 'prelab.pdf'.

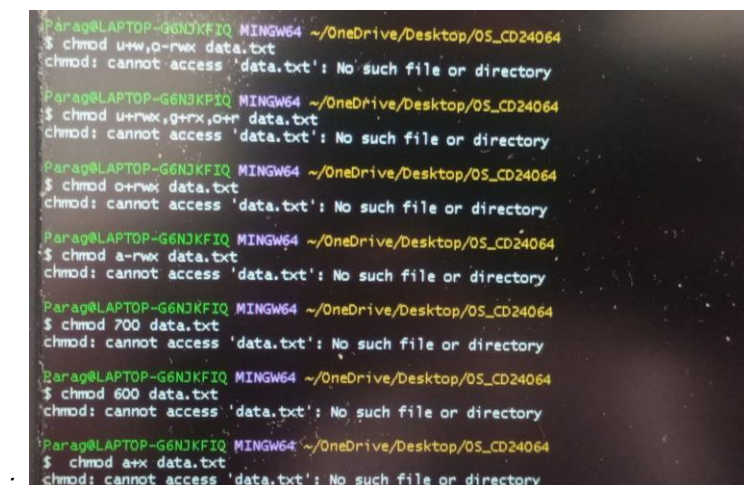
Command: rm<filename>

Screenshot :

A screenshot of a terminal window with a dark background. The prompt is 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064'. The user enters '\$ ls', showing 'prelab.pdf'. Then the user enters '\$ mv newfile.txt data.txt', followed by the error 'mv: cannot stat 'newfile.txt': No such file or directory'. Finally, the user enters '\$ ls', showing 'prelab.pdf'.

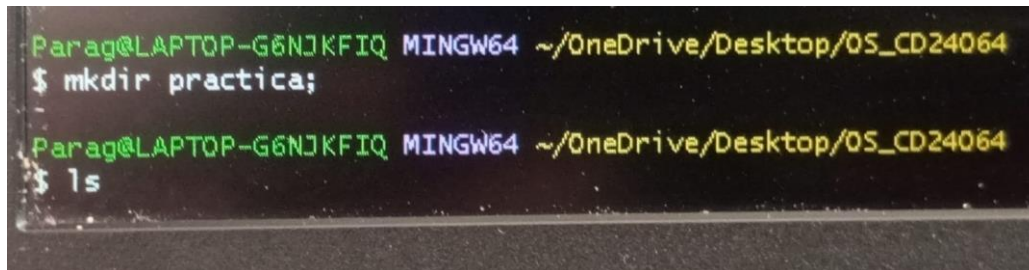
Command: chmod u+w,o-rwx<filename> , chmod u+rw,g+rx,o+r <filename> , chmod o+rw<filename> , chmod a-rwx <filename> , chmod 700<filename> , chmod 600<filename> , chmod a+x <filename>

Screenshot:

A screenshot of a terminal window with a dark background. The prompt is 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064'. The user enters '\$ chmod u+w,o-rwx data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'. Then the user enters '\$ chmod u+rw,g+rx,o+r data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'. Next, the user enters '\$ chmod o+rw data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'. Then the user enters '\$ chmod a-rwx data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'. Finally, the user enters '\$ chmod 700 data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'. The user then enters '\$ chmod 600 data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'. Finally, the user enters '\$ chmod a+x data.txt', followed by the error 'chmod: cannot access 'data.txt': No such file or directory'.

Command: mkdir <directory-name>

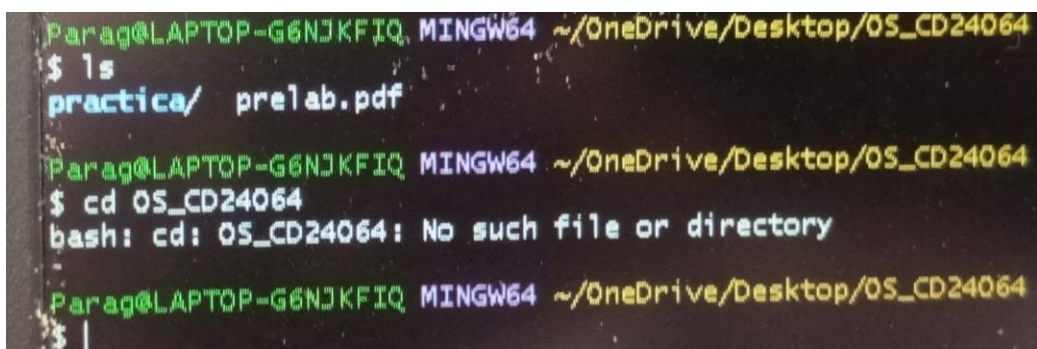
Screenshot :

A screenshot of a terminal window with a dark background. The prompt is 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064'. The user enters '\$ mkdir practica;'. The prompt changes to 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064' and the user enters '\$ ls'.

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

Command: cd<directory-path>

Screenshot:

A screenshot of a terminal window with a dark background. The prompt is 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064'. The user enters '\$ ls', and the output shows 'practica/' and 'prelab.pdf'. The prompt changes to 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064' and the user enters '\$ cd OS_CD24064'. The output shows 'bash: cd: OS_CD24064: No such file or directory'. The prompt changes to 'Parag@LAPTOP-G6NJKFIQ MINGW64 ~/OneDrive/Desktop/OS_CD24064' and the user enters '\$'.

```
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
$
```