



**National Textile University**  
**Department of Computer Science**

Subject: Operating System

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Reg number:23-NTU-CS-1146

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Assignment No.1

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Semester:5th

# Lab manual 02

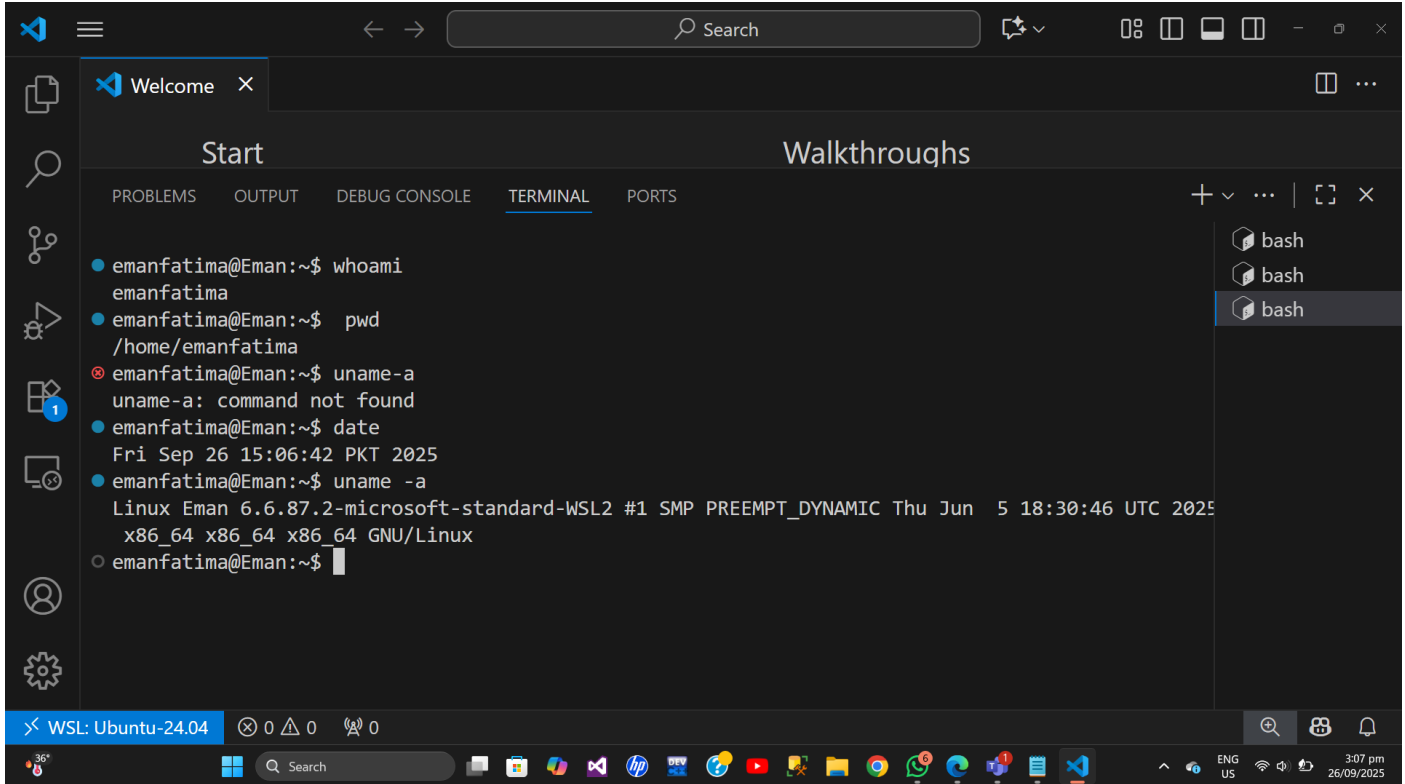
## Task 1.1:

Whoami : this comand check the user of the ubuntu .

Pwd : it shows the current directory

Uname -a : it shows the system information.

Date : this comand shows the current date .

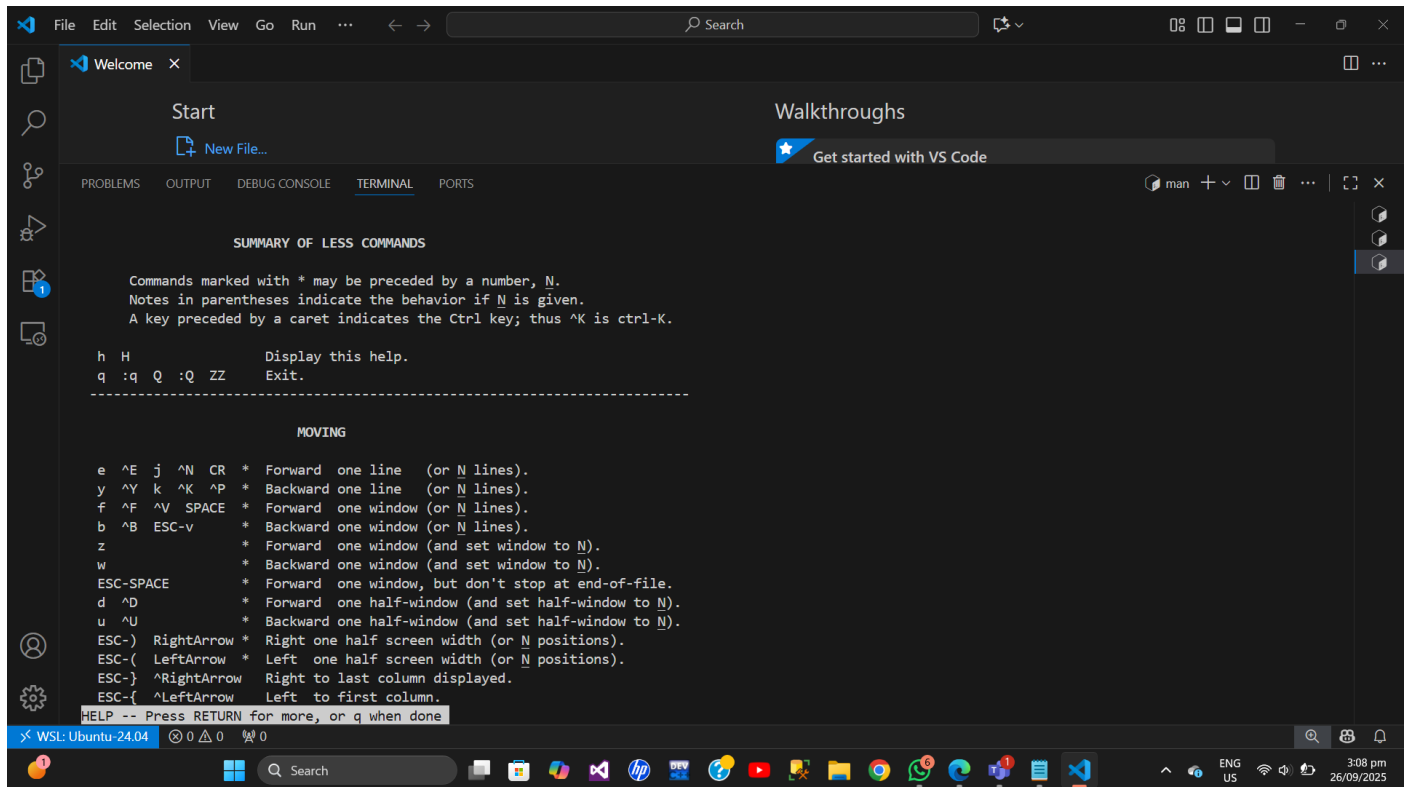


```
emanfatima@Eman:~$ whoami
emanfatima
emanfatima@Eman:~$ pwd
/home/emanfatima
emanfatima@Eman:~$ uname -a
uname-a: command not found
emanfatima@Eman:~$ date
Fri Sep 26 15:06:42 PKT 2025
emanfatima@Eman:~$ uname -a
Linux Eman 6.6.87.2-microsoft-standard-WSL2 #1 SMP PREEMPT_DYNAMIC Thu Jun 5 18:30:46 UTC 2025
x86_64 x86_64 x86_64 GNU/Linux
emanfatima@Eman:~$
```

## Task 1.2 :

Man ls : this comand show the manual of the comands .

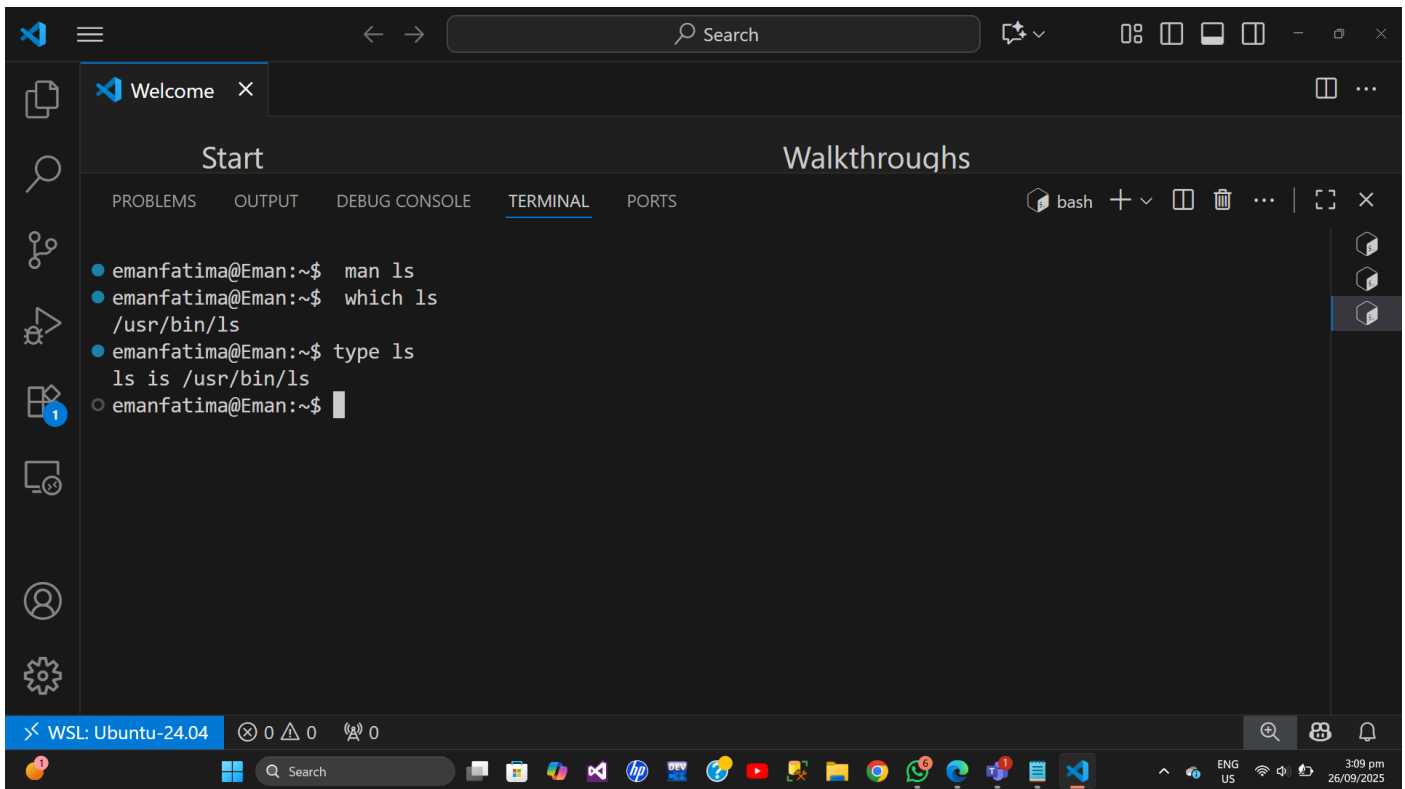
Ls help : provide a short summary (help).



```
File Edit Selection View Go Run ... Search
Welcome x
Start Walkthroughs
New File... Get started with VS Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
SUMMARY OF LESS COMMANDS
Commands marked with * may be preceded by a number, N.
Notes in parentheses indicate the behavior if N is given.
A key preceded by a caret indicates the Ctrl key; thus ^K is ctrl-K.
h H Display this help.
q :q Q :Q ZZ Exit.
-----
MOVING
e ^E j ^N CR * Forward one line (or N lines).
y ^Y k ^K ^P * Backward one line (or N lines).
f ^F ^V SPACE * Forward one window (or N lines).
b ^B ESC-v * Backward one window (or N lines).
z * Forward one window (and set window to N).
w * Backward one window (and set window to N).
ESC-SPACE * Forward one window, but don't stop at end-of-file.
d ^D * Forward one half-window (and set half-window to N).
u ^U * Backward one half-window (and set half-window to N).
ESC-) RightArrow * Right one half screen width (or N positions).
ESC-( LeftArrow * Left one half screen width (or N positions).
ESC-} ^RightArrow Right to last column displayed.
ESC-{ ^LeftArrow Left to first column.
HELP -- Press RETURN for more, or q when done
WSL: Ubuntu-24.04 0 0 0
```

Which ls : this comand shows the location of the comands .which is in bin

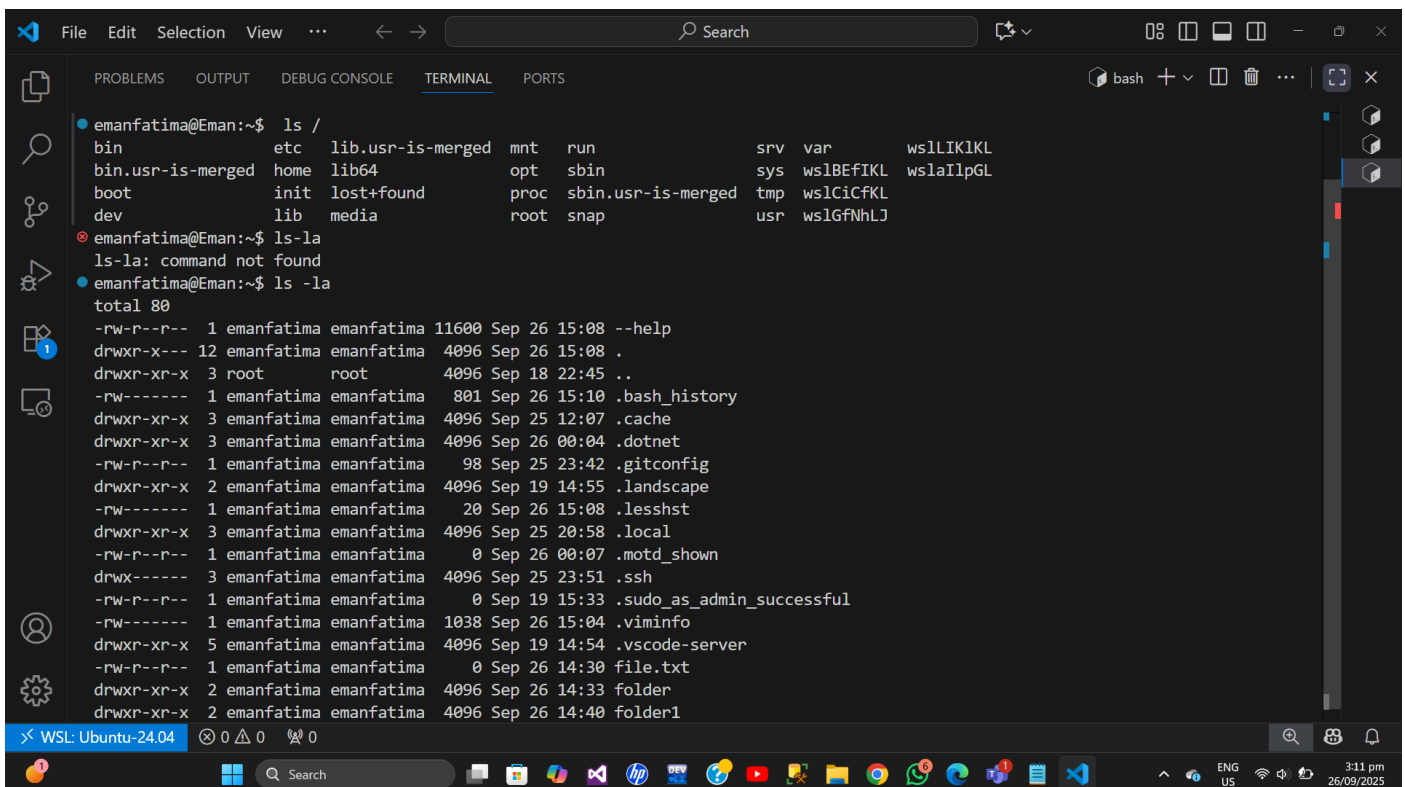
Type ls : provide information about the ls comand . in which folder it exits



## Task 2.1

Ls : show the root directory contents

Ls -la : show hidden files



Cd /home : this comand shows the home directory in which all users are present .

Cd ~ : this will go to home directory

cd - : go to previous directory

```
emanfatima@Eman:~$ cd /home/
emanfatima@Eman:/home$ ls
emanfatima
emanfatima@Eman:/home$ cd ~
emanfatima@Eman:~$ cd -
/home
emanfatima@Eman:/home$
```

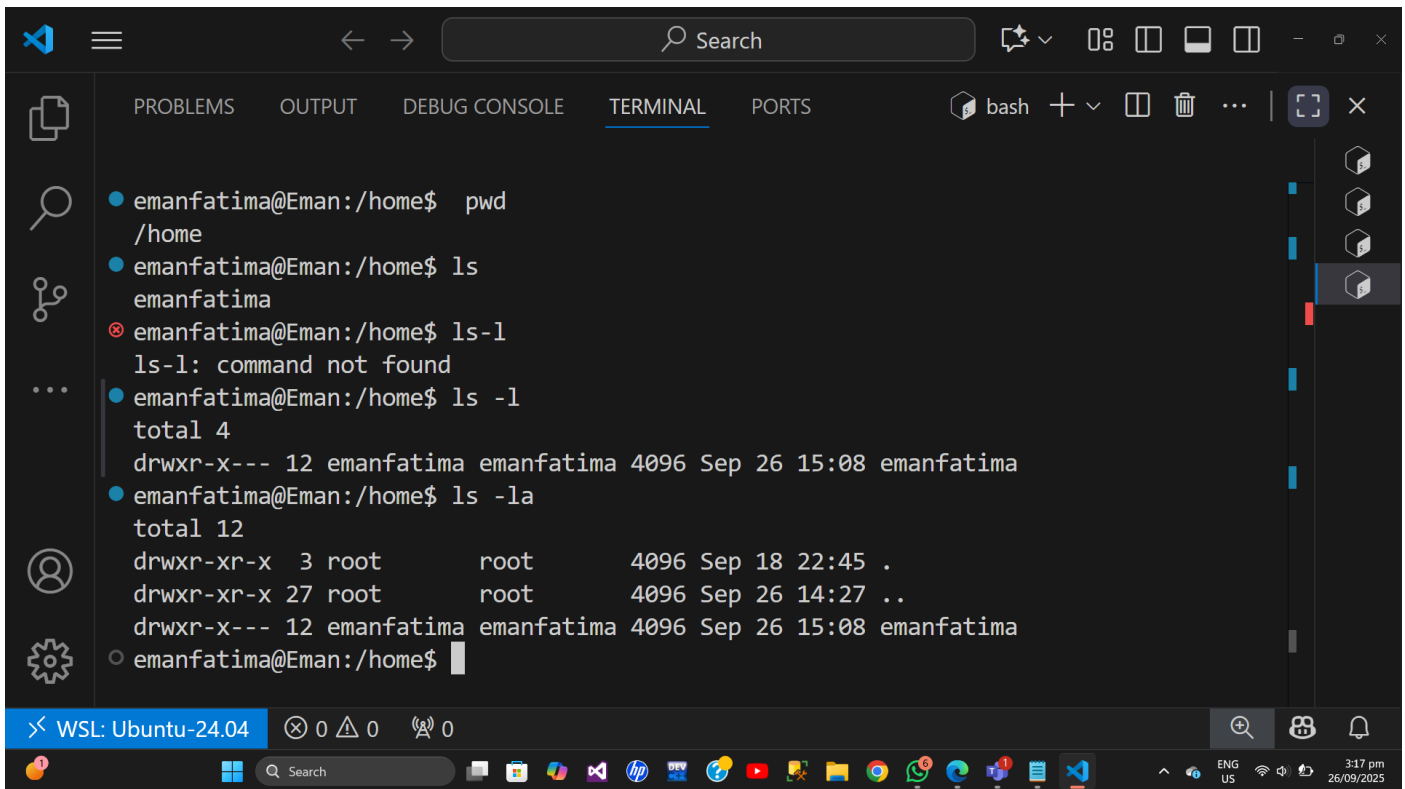
## Task 2.2:

Pwd ; present directory

Ls : show list of directory

Ls -l: show long format of files content

Ls -la : this shows hidden files .



```
emanfatima@Eman:/home$ pwd
/home
emanfatima@Eman:/home$ ls
emanfatima
emanfatima@Eman:/home$ ls-l
ls-l: command not found
emanfatima@Eman:/home$ ls -l
total 4
drwxr-x--- 12 emanfatima emanfatima 4096 Sep 26 15:08 emanfatima
emanfatima@Eman:/home$ ls -la
total 12
drwxr-xr-x  3 root      root      4096 Sep 18 22:45 .
drwxr-xr-x 27 root      root      4096 Sep 26 14:27 ..
drwxr-x--- 12 emanfatima emanfatima 4096 Sep 26 15:08 emanfatima
emanfatima@Eman:/home$
```

Ls -lh : this shows a list of files in human readable form

Cd : chnage the directory

Cd .. : go to parent directory

Cd ~ : go to home directory

Cd / : show the root directory

```
emanfatima@Eman:/home$ ls-lh
ls-lh: command not found
emanfatima@Eman:/home$ ls -lh
total 4.0K
drwxr-x--- 12 emanfatima emanfatima 4.0K Sep 26 15:08 emanfatima
emanfatima@Eman:/home$ cd
emanfatima@Eman:~$ cd ..
emanfatima@Eman:/home$ cd ~
emanfatima@Eman:~$ cd /
emanfatima@Eman:/$ ls
bin
bin usr-is-merged
boot
dev
etc
home
init
lib
lib usr-is-merged
lib64
lost+found
media
mnt
opt
proc
root
run
sbin
sbin usr-is-merged
snap
srv
sys
tmp
```

### Task 3.1 :

Mkdir : create the new directory

Mkdir -p task 3/sub/dir : create the nested directory .

Touch : this comand creat enew file .

Touch file.txt file3.txt : create multiple files

Nano : this comand also createb the new file

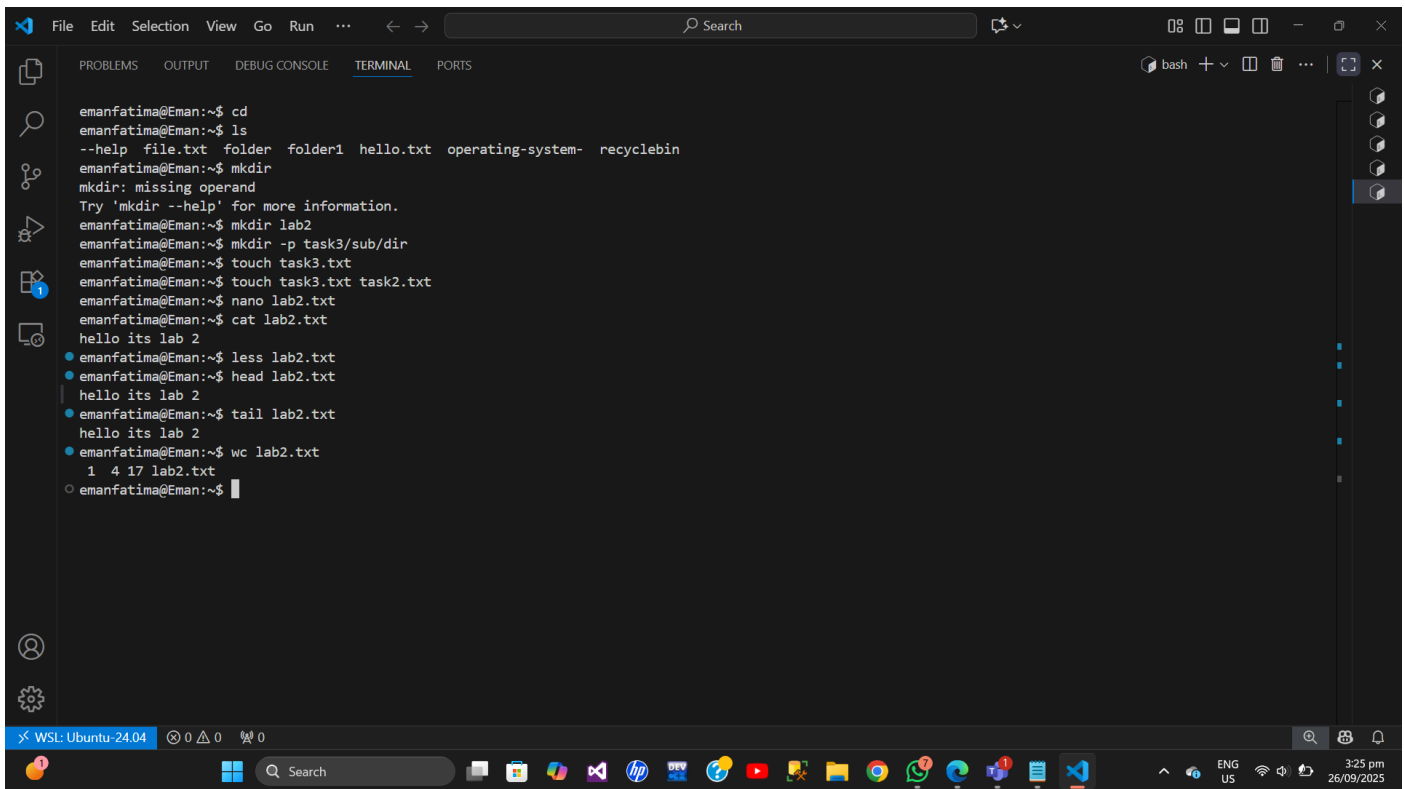
Cat: it shows the file contents

Less : page through files

Head : show first 10 lines of files

Tail : last 10 words

Wc : count the words of file



The screenshot shows a Visual Studio Code window with a terminal pane open. The terminal is running a series of Linux commands in a WSL (Windows Subsystem for Linux) environment. The commands and their outputs are as follows:

```
emanfatima@Eman:~$ cd
emanfatima@Eman:~$ ls
--help  file.txt  folder  folder1  hello.txt  operating-system-  recyclebin
emanfatima@Eman:~$ mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
emanfatima@Eman:~$ mkdir lab2
emanfatima@Eman:~$ mkdir -p task3/sub/dir
emanfatima@Eman:~$ touch task3.txt
emanfatima@Eman:~$ touch task3.txt task2.txt
emanfatima@Eman:~$ nano lab2.txt
emanfatima@Eman:~$ cat lab2.txt
hello its lab 2
emanfatima@Eman:~$ less lab2.txt
emanfatima@Eman:~$ head lab2.txt
hello its lab 2
emanfatima@Eman:~$ tail lab2.txt
hello its lab 2
emanfatima@Eman:~$ wc lab2.txt
  1  4 17 lab2.txt
emanfatima@Eman:~$
```

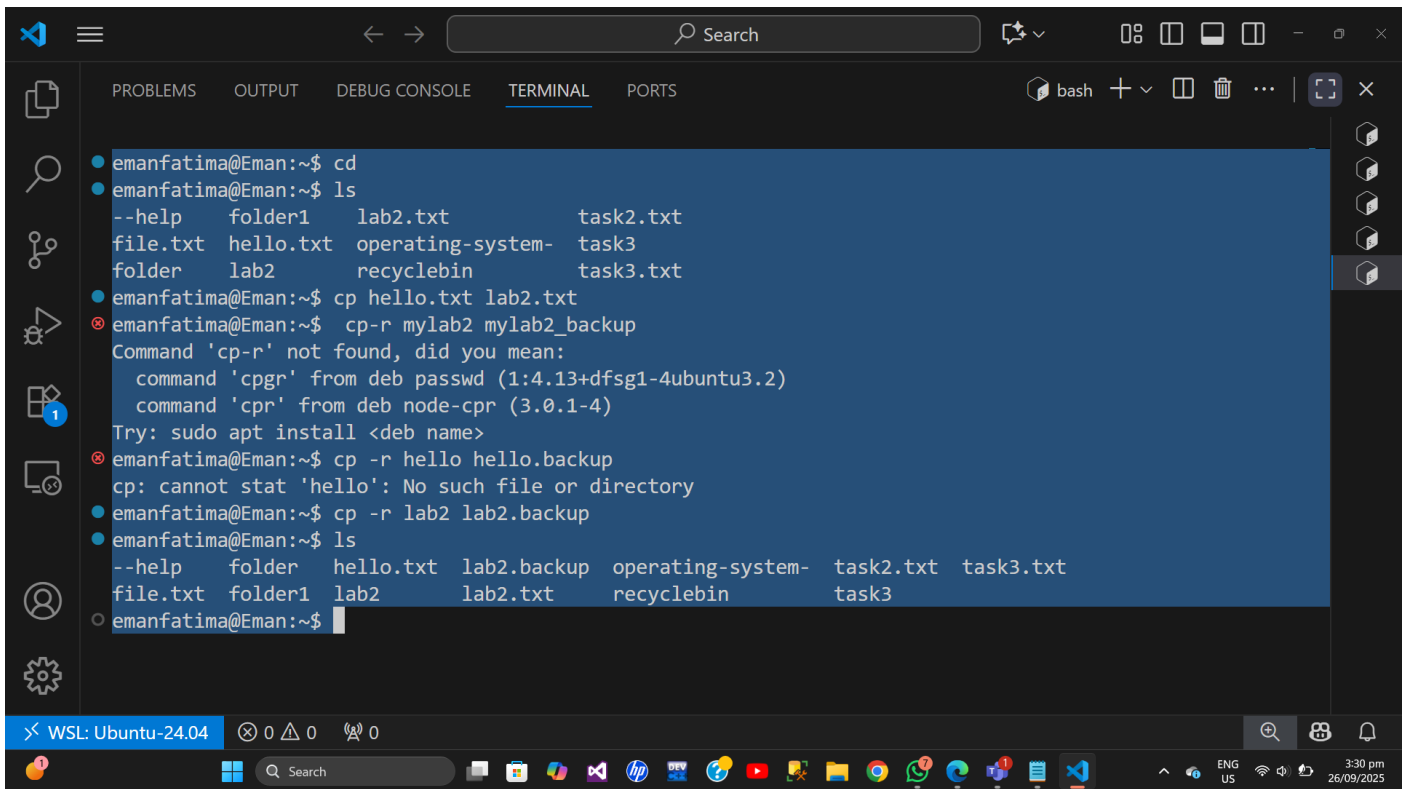
The terminal window is titled "WSL: Ubuntu-24.04" and shows the standard Linux prompt. The Visual Studio Code interface includes a sidebar with icons for Explorer, Search, Source Control, Run and Debug, and Extensions. The top menu bar includes File, Edit, Selection, View, Go, Run, and a search bar. The bottom status bar shows the WSL distribution, resource usage, and system information.

## Task :

Cp hello.txt lab2.txt : it copies the file from one to other

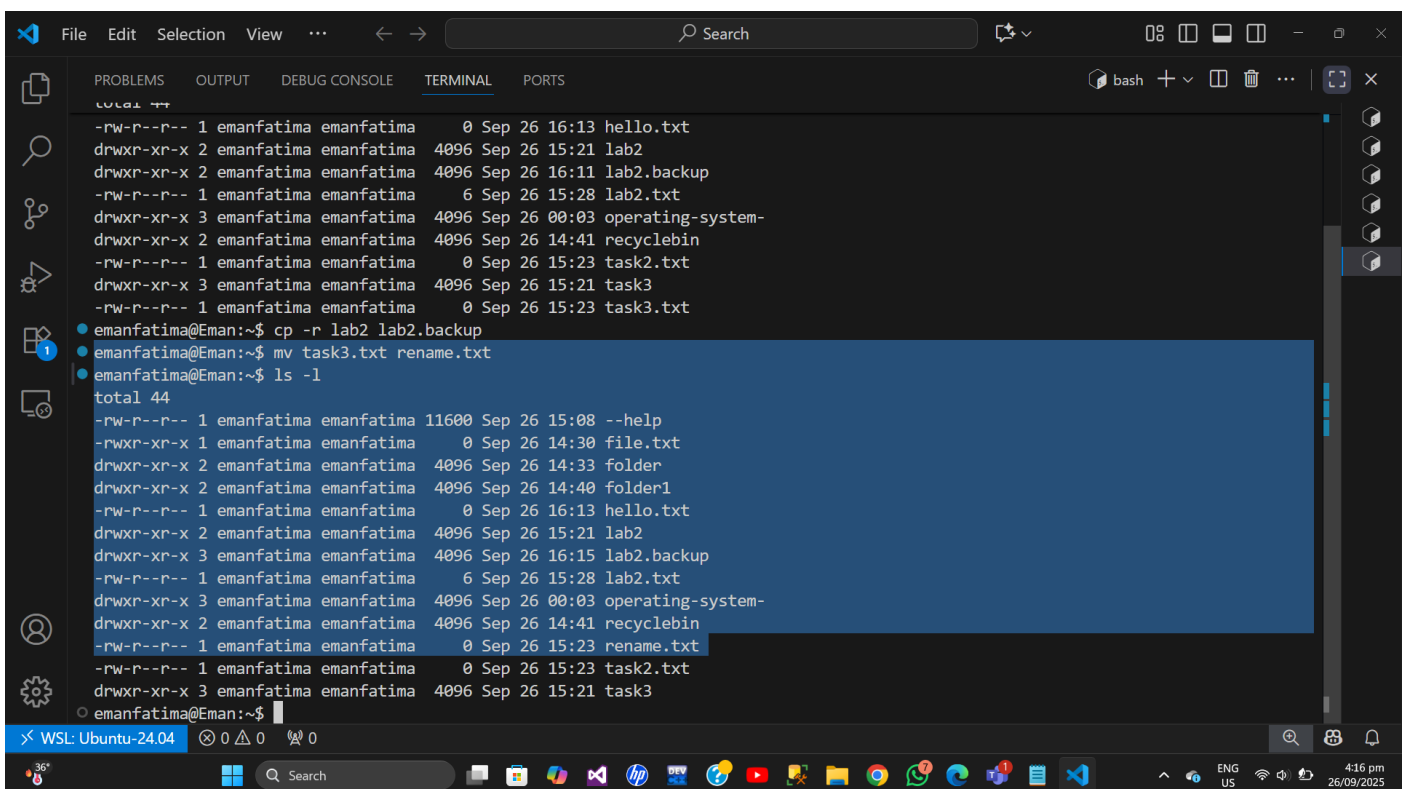
Cp -r lab2 lab2.backup : it copies the directory





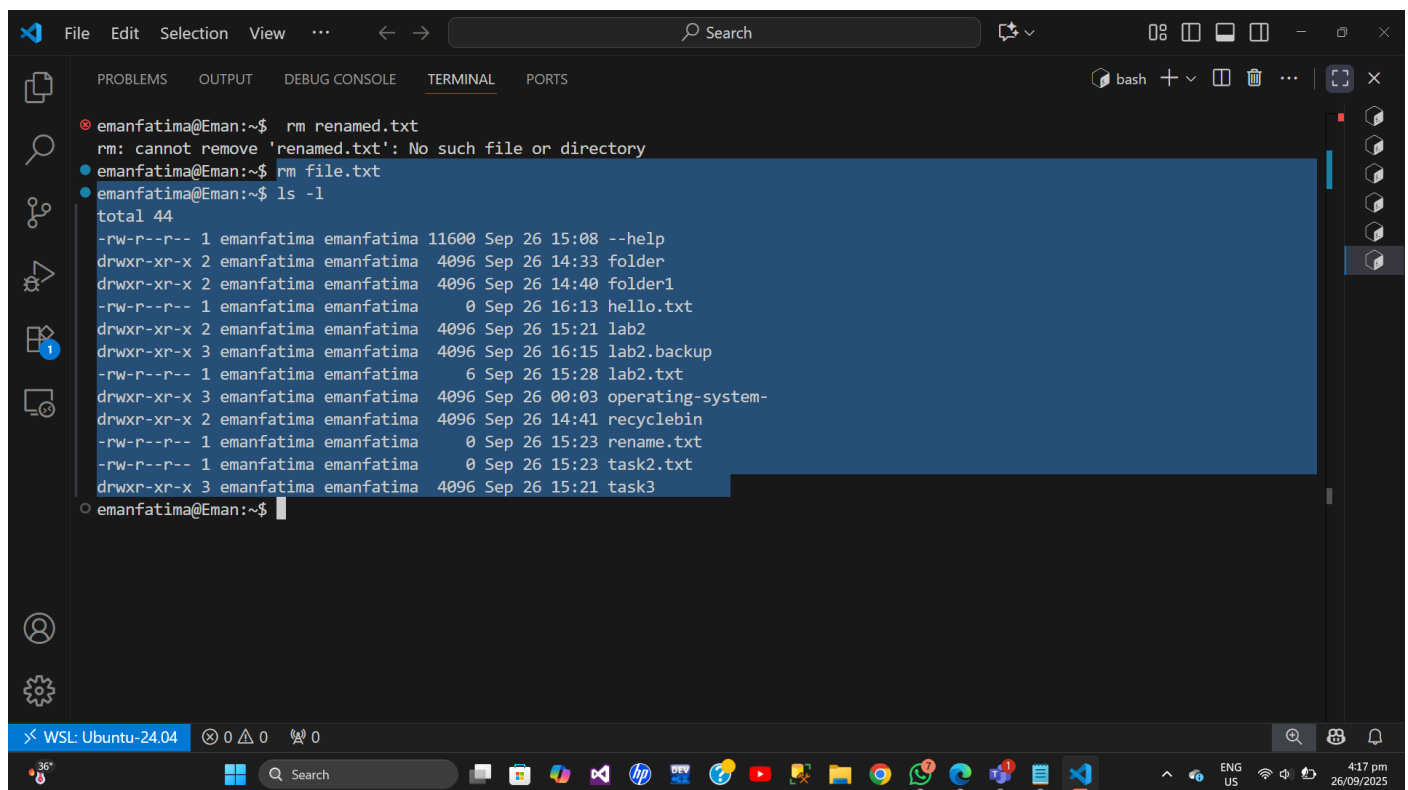
```
emanfatima@Eman:~$ cd
emanfatima@Eman:~$ ls
--help      folder1      lab2.txt      task2.txt
file.txt    hello.txt    operating-system- task3
folder      lab2         recyclebin    task3.txt
emanfatima@Eman:~$ cp hello.txt lab2.txt
emanfatima@Eman:~$ cp -r mylab2 mylab2_backup
Command 'cp-r' not found, did you mean:
  command 'cpgr' from deb passwd (1:4.13+dfsg1-4ubuntu3.2)
  command 'cpr' from deb node-cpr (3.0.1-4)
Try: sudo apt install <deb name>
emanfatima@Eman:~$ cp -r hello hello.backup
cp: cannot stat 'hello': No such file or directory
emanfatima@Eman:~$ cp -r lab2 lab2.backup
emanfatima@Eman:~$ ls
--help      folder      hello.txt    lab2.backup    operating-system- task2.txt    task3.txt
file.txt    folder1     lab2         lab2.txt       recyclebin      task3
emanfatima@Eman:~$
```

Mv task3.txt rename .txt : it basically rename the file



```
total 44
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 16:11 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task3.txt
emanfatima@Eman:~$ cp -r lab2 lab2.backup
emanfatima@Eman:~$ mv task3.txt rename.txt
emanfatima@Eman:~$ ls -l
total 44
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
-rwxr-xr-x 1 emanfatima emanfatima 0 Sep 26 14:30 file.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 16:15 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 rename.txt
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
emanfatima@Eman:~$
```

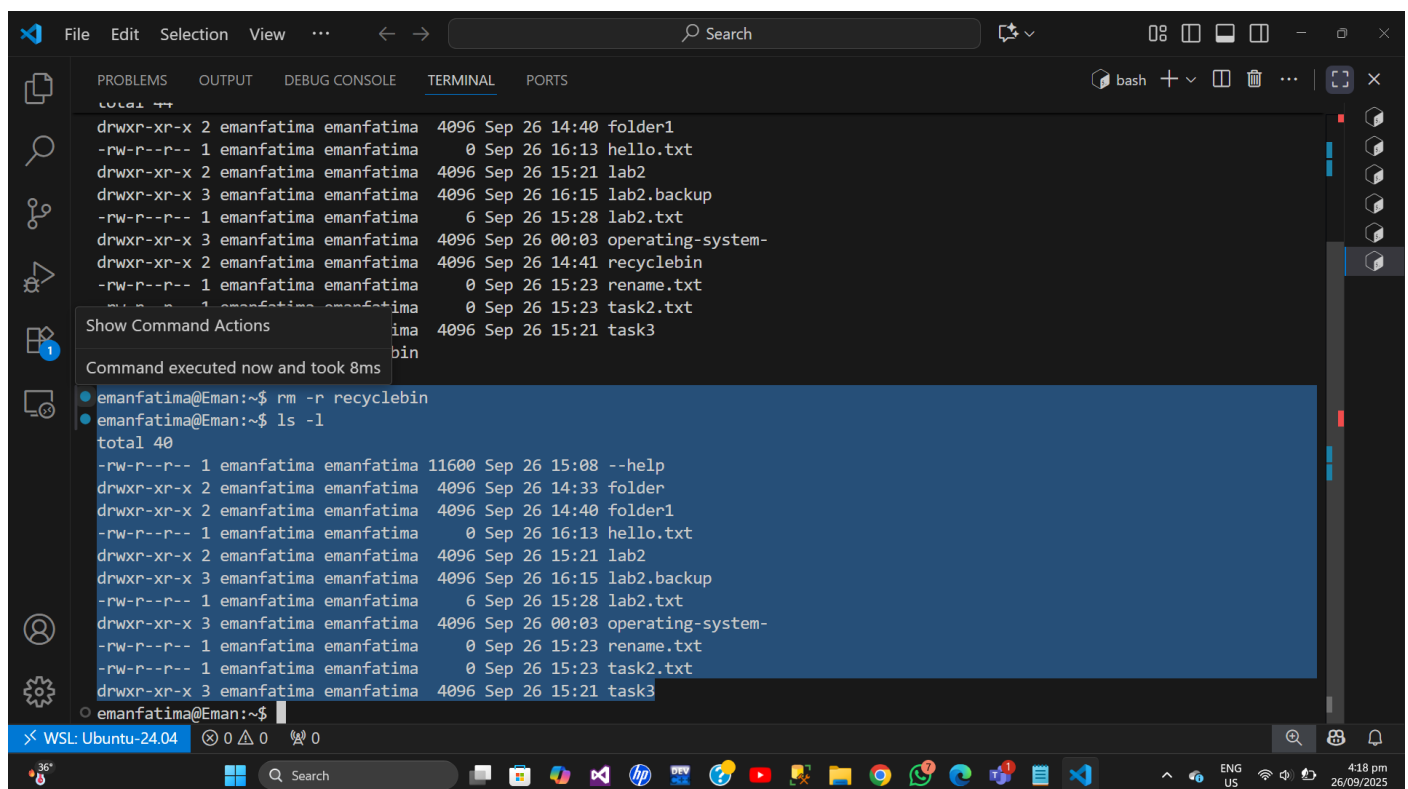
Rm file.txt : remove the file from list



The screenshot shows a terminal window in VS Code with the following commands and output:

```
emanfatima@Eman:~$ rm renamed.txt
rm: cannot remove 'renamed.txt': No such file or directory
emanfatima@Eman:~$ rm file.txt
emanfatima@Eman:~$ ls -l
total 44
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 16:15 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 rename.txt
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
emanfatima@Eman:~$
```

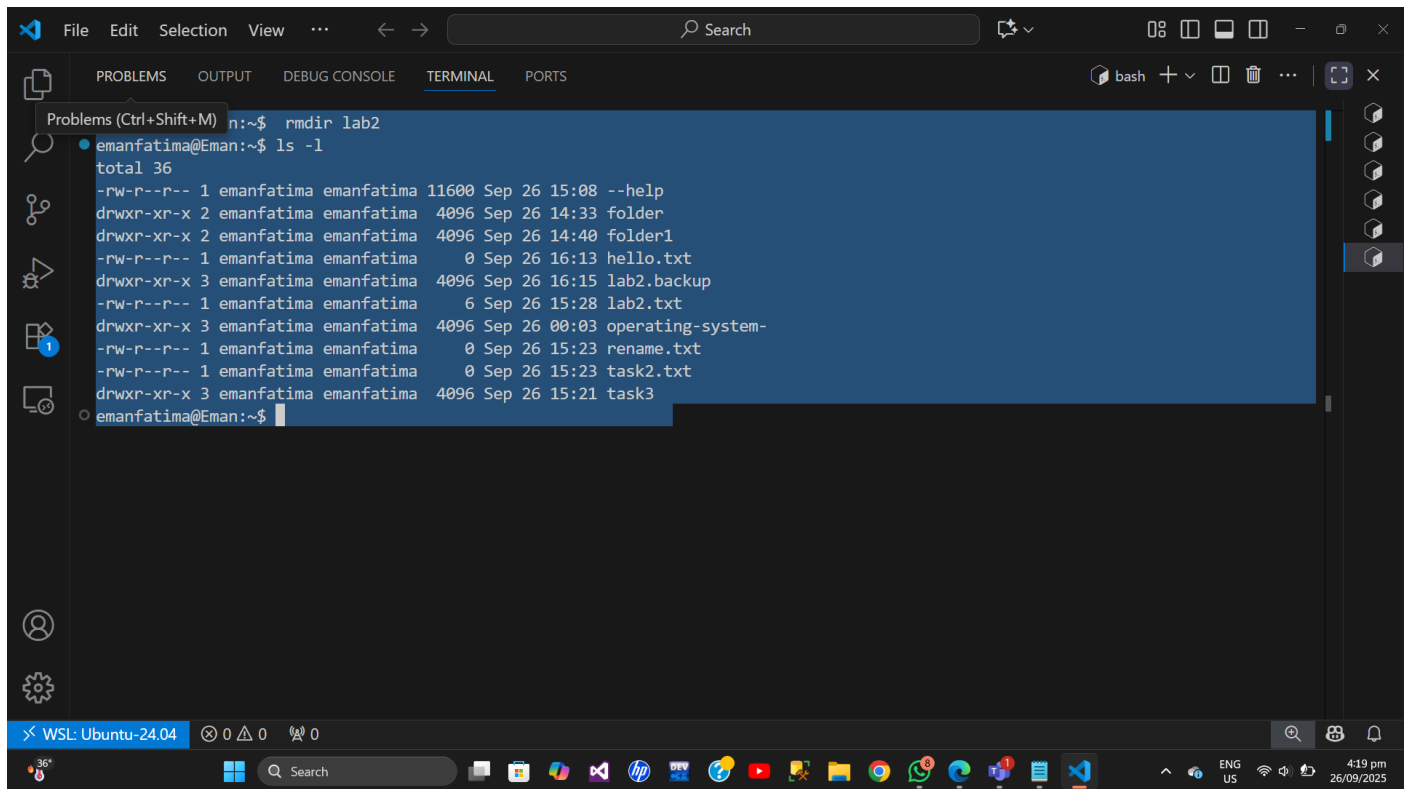
Rm -r recycle : remove the directory from lsit



The screenshot shows a terminal window in VS Code with the following commands and output:

```
emanfatima@Eman:~$ rm -r recyclebin
emanfatima@Eman:~$ ls -l
total 40
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 16:15 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 rename.txt
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
emanfatima@Eman:~$
```

## Rmdir lab2: remove the empty file from lsit

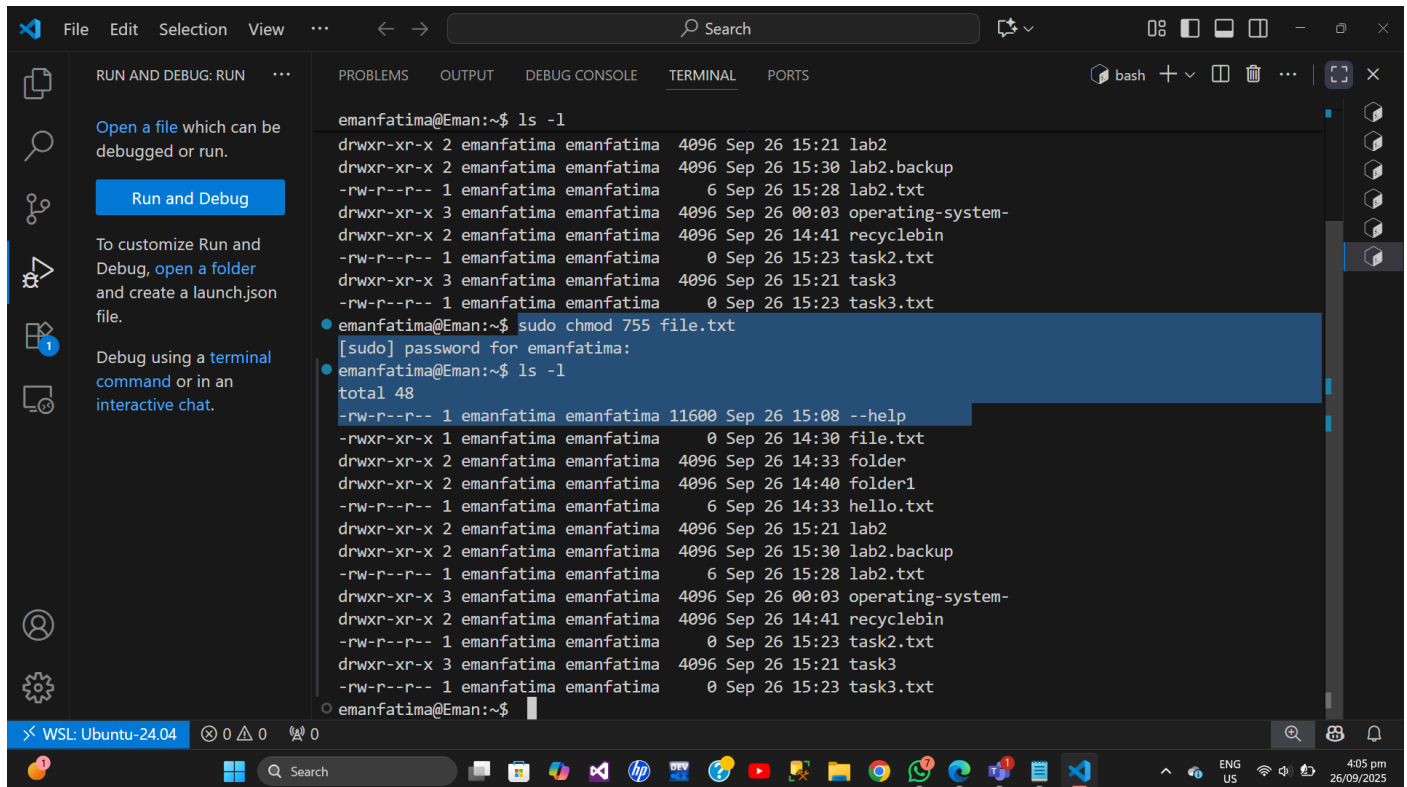


The screenshot shows a VS Code window with a terminal open. The terminal output shows the command `rmdir lab2` being executed. The prompt is `emanfatima@Eman:~$`. The output of `ls -l` is shown below the command, listing various files and directories in the current directory. The files listed are: `--help`, `folder`, `folder1`, `hello.txt`, `lab2.backup`, `lab2.txt`, `operating-system-`, `rename.txt`, `task2.txt`, and `task3`. The terminal status bar at the bottom indicates the environment is WSL: Ubuntu-24.04.

```
n:~$ rmdir lab2
emanfatima@Eman:~$ ls -l
total 36
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 16:15 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 rename.txt
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
emanfatima@Eman:~$
```

## Task 3.3:

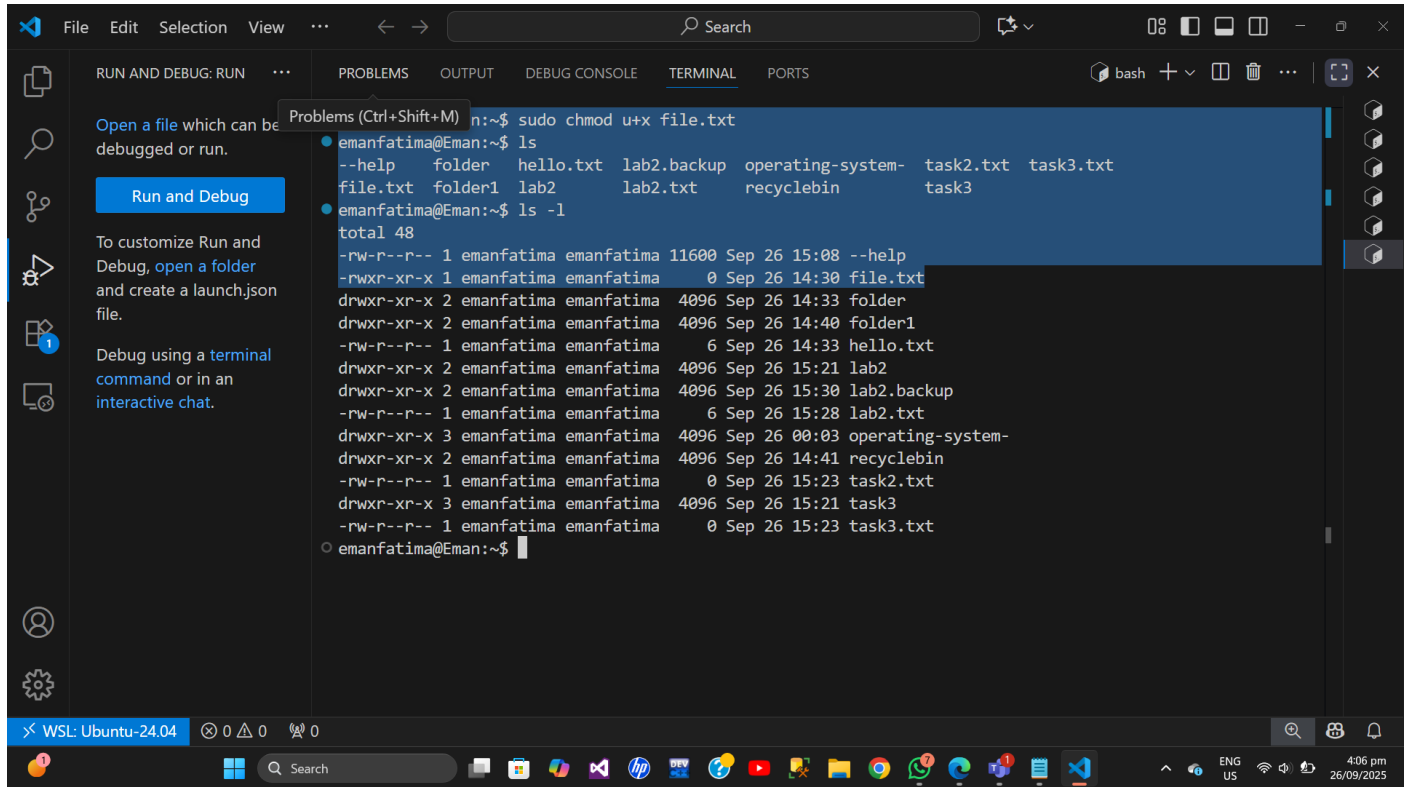
Sudo chomd 755 file.txt : it gives the right to user



The screenshot shows a VS Code window with a terminal open. The terminal output shows the command `sudo chomd 755 file.txt` being executed. The prompt is `emanfatima@Eman:~$`. The output of `ls -l` is shown below the command, listing various files and directories in the current directory. The files listed are: `--help`, `file.txt`, `folder`, `folder1`, `hello.txt`, `lab2`, `lab2.backup`, `lab2.txt`, `operating-system-`, `recyclebin`, `task2.txt`, and `task3`. The terminal status bar at the bottom indicates the environment is WSL: Ubuntu-24.04.

```
emanfatima@Eman:~$ ls -l
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:30 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task3.txt
emanfatima@Eman:~$ sudo chomd 755 file.txt
[sudo] password for emanfatima:
emanfatima@Eman:~$ ls -l
total 48
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
-rwxr-xr-x 1 emanfatima emanfatima 0 Sep 26 14:30 file.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 14:33 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:30 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task3.txt
emanfatima@Eman:~$
```

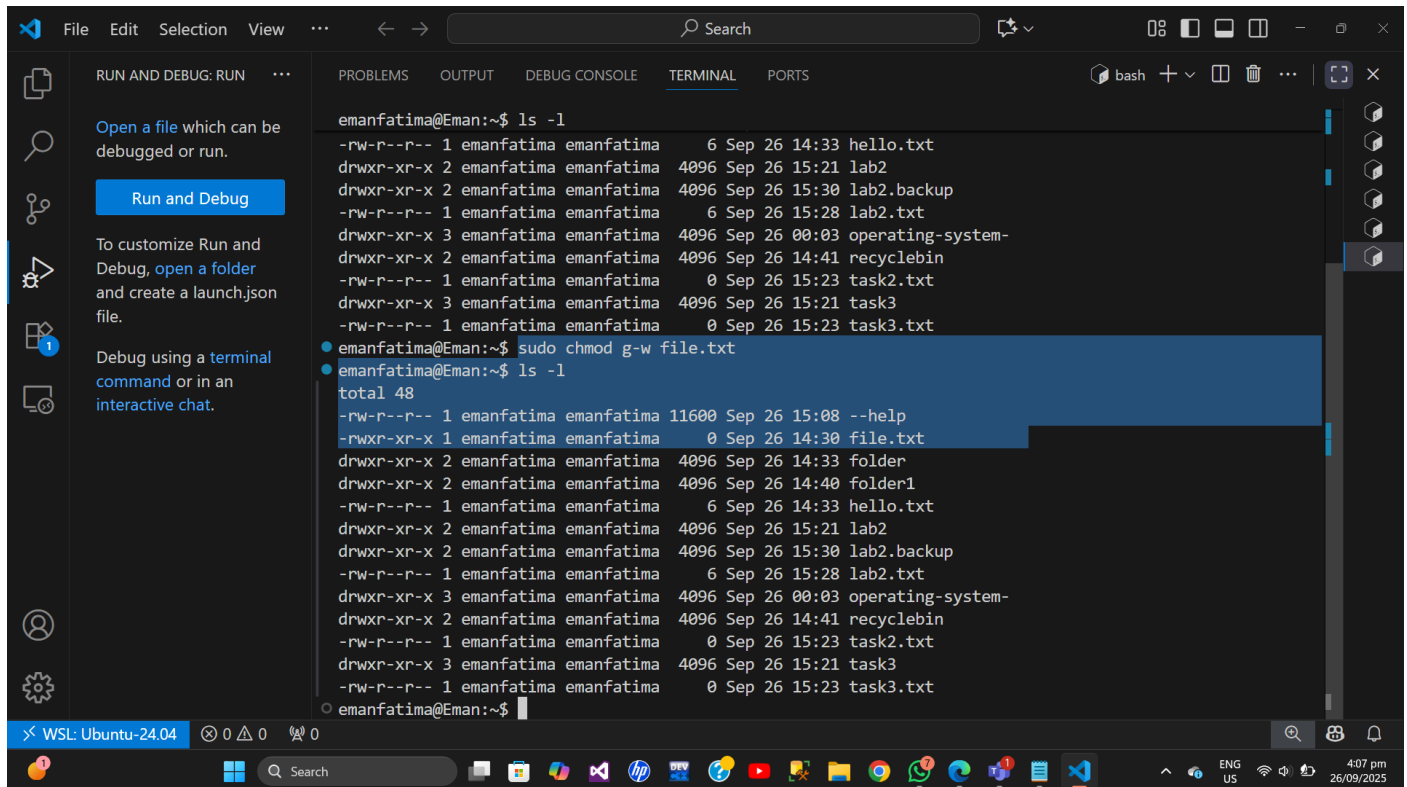
Sudo chomd u+x : gives user the execute rights



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of the command `sudo chomd u+x file.txt` and subsequent `ls` and `ls -l` commands. The file `file.txt` now has permissions `-rwxr-xr-x`, indicating that the user has execute rights. The terminal output is as follows:

```
n:~$ sudo chomd u+x file.txt
emanfatima@Eman:~$ ls
--help  folder  hello.txt  lab2.backup  operating-system-  task2.txt  task3.txt
file.txt  folder1  lab2      lab2.txt     recyclebin        task3
emanfatima@Eman:~$ ls -l
total 48
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
-rwxr-xr-x 1 emanfatima emanfatima   0 Sep 26 14:30 file.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima   6 Sep 26 14:33 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:30 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima   6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima   0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
-rw-r--r-- 1 emanfatima emanfatima   0 Sep 26 15:23 task3.txt
emanfatima@Eman:~$
```

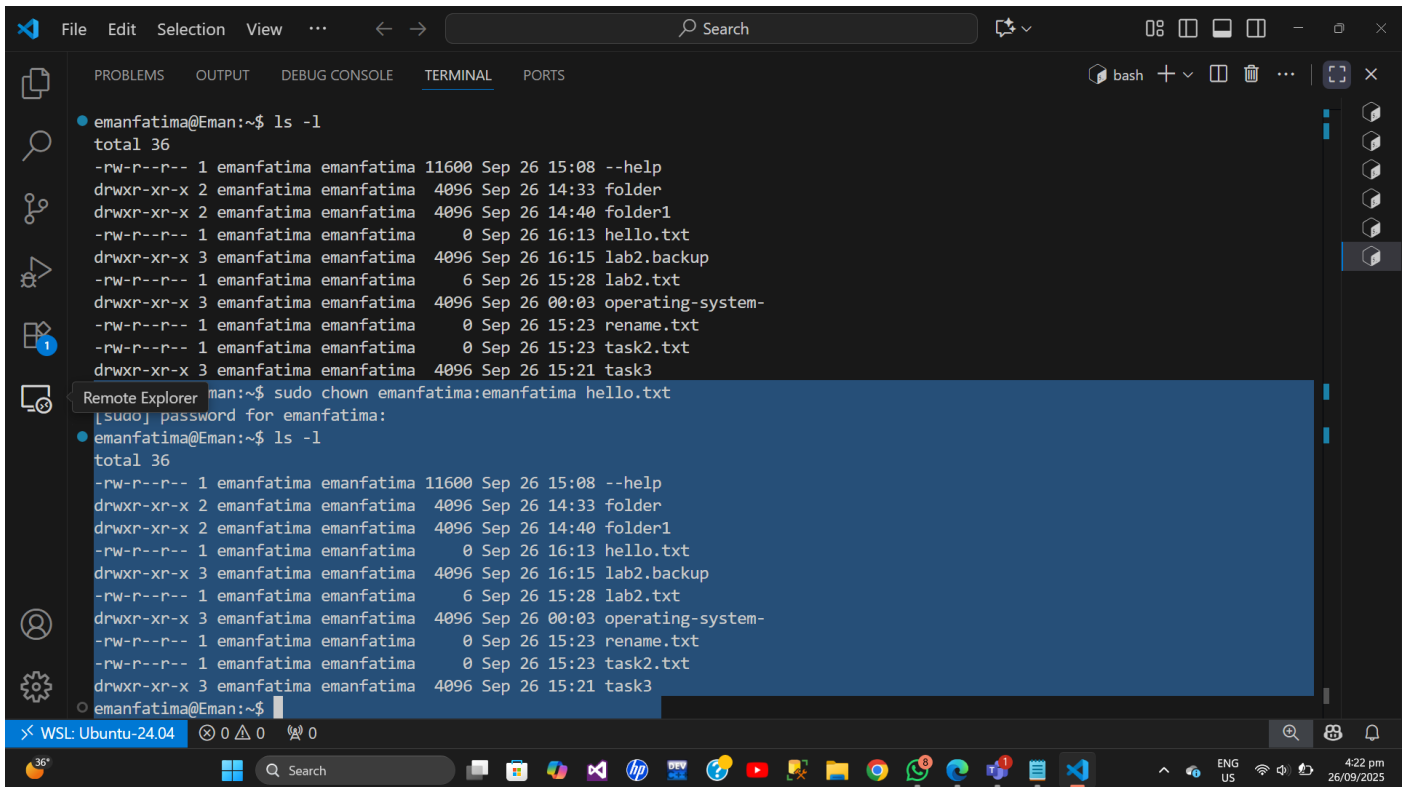
Sudo chomd g-w file.txt : it giives rights to grop



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of the command `sudo chomd g-w file.txt` and subsequent `ls` and `ls -l` commands. The file `file.txt` now has permissions `-rwxr-xr-x`, indicating that the group has write rights. The terminal output is as follows:

```
emanfatima@Eman:~$ ls -l
-rw-r--r-- 1 emanfatima emanfatima   6 Sep 26 14:33 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:30 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima   6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima   0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
-rw-r--r-- 1 emanfatima emanfatima   0 Sep 26 15:23 task3.txt
emanfatima@Eman:~$ sudo chomd g-w file.txt
emanfatima@Eman:~$ ls -l
total 48
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
-rwxr-xr-x 1 emanfatima emanfatima   0 Sep 26 14:30 file.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima   6 Sep 26 14:33 hello.txt
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:21 lab2
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 15:30 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima   6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:41 recyclebin
-rw-r--r-- 1 emanfatima emanfatima   0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3
-rw-r--r-- 1 emanfatima emanfatima   0 Sep 26 15:23 task3.txt
emanfatima@Eman:~$
```

Sudo chown emanfatima : emanfatima hello.txt : it gives ownership of file to respected user .



The screenshot shows a Visual Studio Code interface with a terminal window open. The terminal displays the output of the command `ls -l` and the execution of `sudo chown emanfatima:emanfatima hello.txt`. The file `hello.txt` is highlighted in blue in the terminal output.

```
emanfatima@Eman:~$ ls -l
total 36
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 16:15 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 rename.txt
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3

emanfatima@Eman:~$ sudo chown emanfatima:emanfatima hello.txt
[sudo] password for emanfatima:
emanfatima@Eman:~$ ls -l
total 36
-rw-r--r-- 1 emanfatima emanfatima 11600 Sep 26 15:08 --help
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:33 folder
drwxr-xr-x 2 emanfatima emanfatima 4096 Sep 26 14:40 folder1
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 16:13 hello.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 16:15 lab2.backup
-rw-r--r-- 1 emanfatima emanfatima 6 Sep 26 15:28 lab2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 00:03 operating-system-
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 rename.txt
-rw-r--r-- 1 emanfatima emanfatima 0 Sep 26 15:23 task2.txt
drwxr-xr-x 3 emanfatima emanfatima 4096 Sep 26 15:21 task3

emanfatima@Eman:~$
```

The status bar at the bottom indicates the environment is WSL: Ubuntu-24.04. The system tray shows the temperature as 36°C, the time as 4:22 pm, and the date as 26/09/2025.