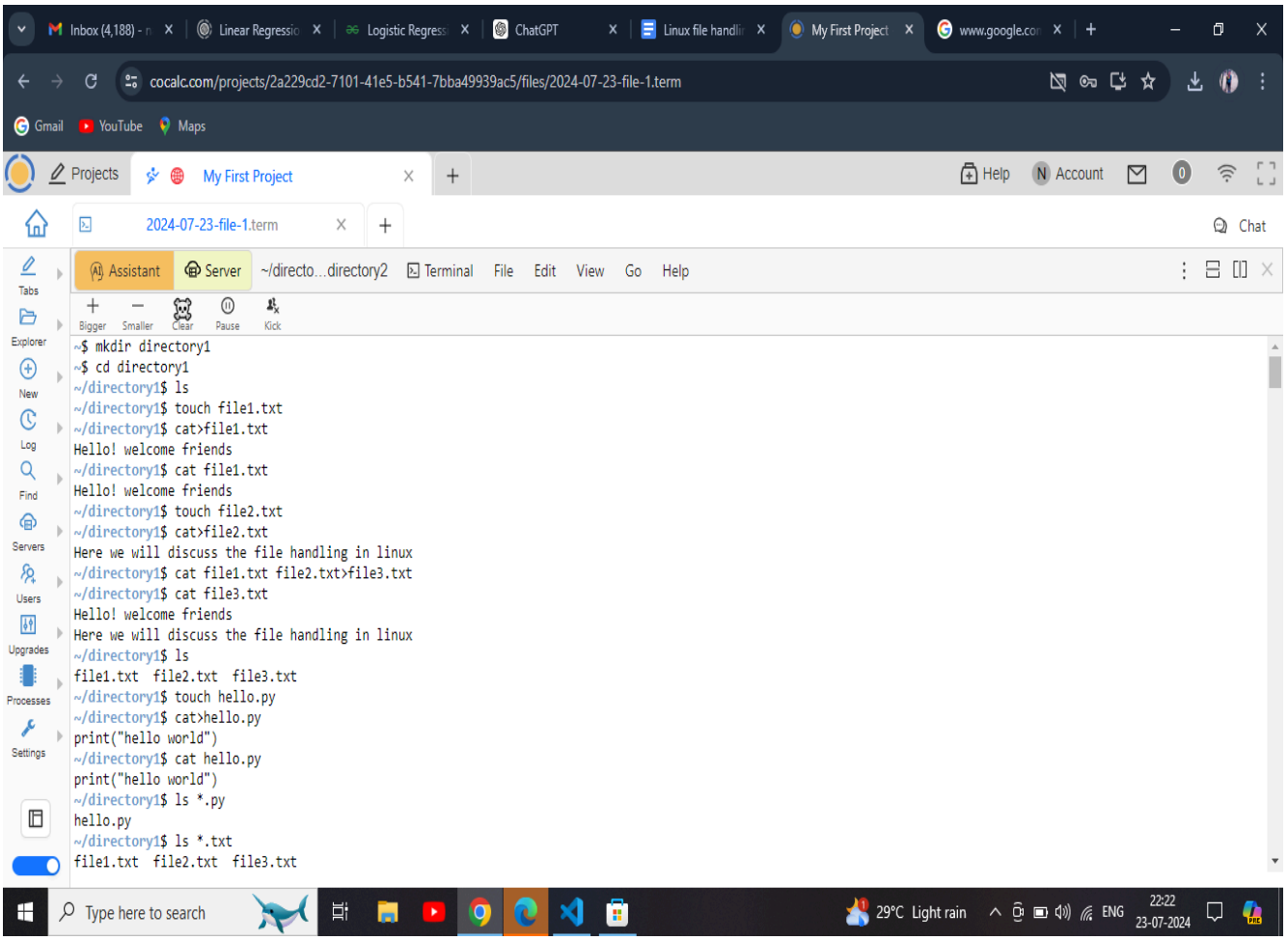
Linux file handling and data extraction commands with demo

mkdir - create new directory with given name
cd - change directory
touch - create empty files
cat>file name -create new file and show the content of the file
cat file1 file2>file 3 - copies the content of both files into new file
cat filename - display content of the file
ls - list the content of directory
ls *.txt - shows the files of text format
pwd - current working directory
cp - copy the file or directory
mv - move the file of directory
head - display first 10 line of the file
tail - display last 10 lines of the file
tac - display content in reverse order
more - show only the limited content
id - display the id of user
clear - clear the screen
vi - text editor to write the program
grep - filter to search given pattern in a file
diff - compares the content of two different file
ping - check the connectivity of the server
history - remove all commands which you have entered
hostname - display the hostname
hostname -i - display the host ip
chmod - change the mode to access the file
nl - display the line number
wc - display no of lines,words,characters in the file
uniq - remove the duplicates(it only remove continuous duplicate values)
rmdir - remove the empty directory
rm - remove the file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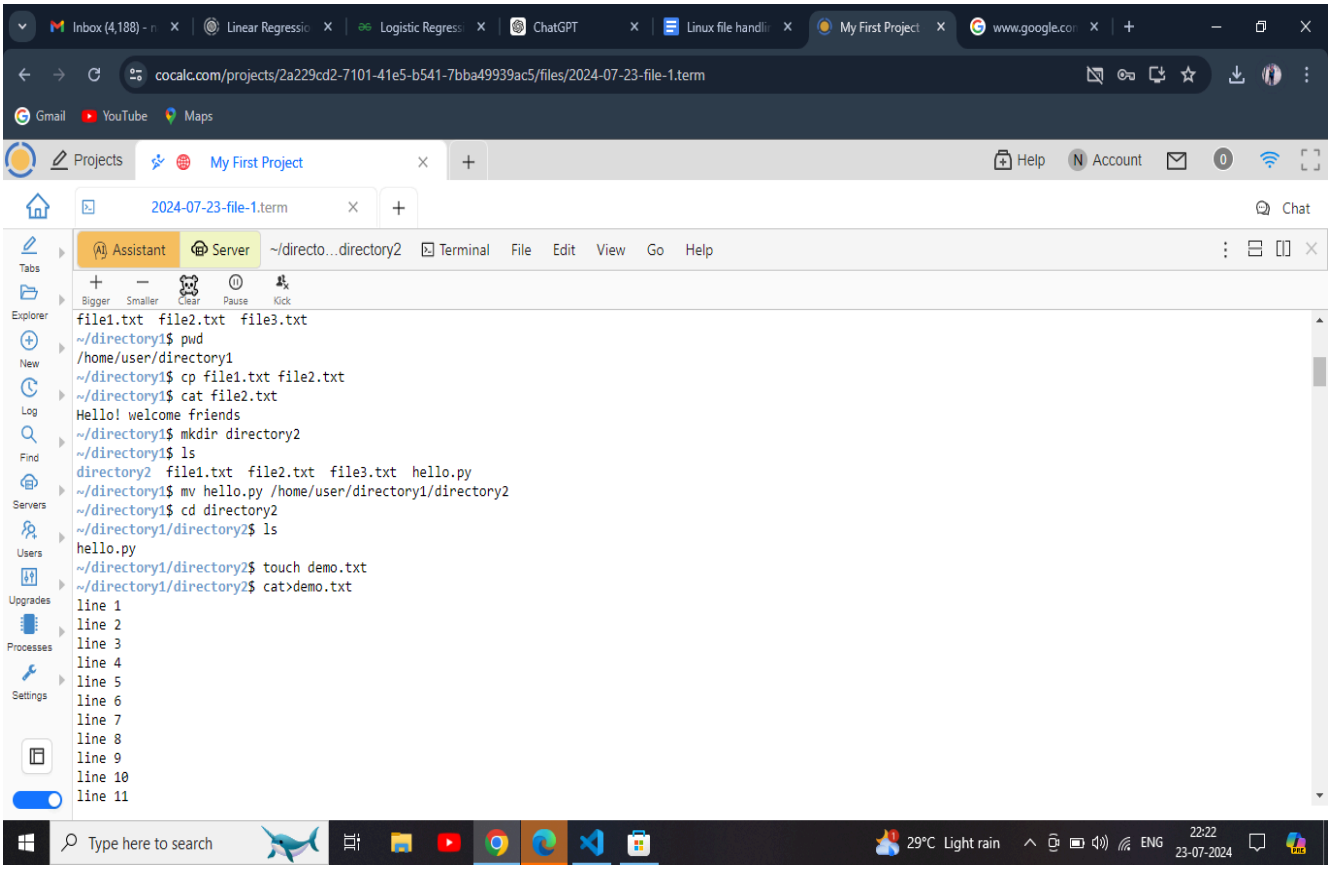
~$ mkdir directory1
~$ cd directory1
~/directory1$ ls
~/directory1$ touch file1.txt
~/directory1$ cat>file1.txt
Hello! welcome friends
~/directory1$ cat file1.txt
Hello! welcome friends
~/directory1$ touch file2.txt
~/directory1$ cat>file2.txt
Here we will discuss the file handling in linux
~/directory1$ cat file1.txt file2.txt>file3.txt
~/directory1$ cat file3.txt
Hello! welcome friends
Here we will discuss the file handling in linux
~/directory1$ ls
file1.txt file2.txt file3.txt
~/directory1$ touch hello.py
~/directory1$ cat>hello.py
print("hello world")
~/directory1$ cat hello.py
print("hello world")
~/directory1$ ls *.py
hello.py
~/directory1$ ls *.txt
file1.txt file2.txt file3.txt
Type here to search
29°C Light rain
ENG
22:22
23-07-2024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file1.txt file2.txt file3.txt
~/directory1$ pwd
/home/user/directory1
~/directory1$ cp file1.txt file2.txt
~/directory1$ cat file2.txt
Hello! welcome friends
~/directory1$ mkdir directory2
~/directory1$ ls
directory2 file1.txt file2.txt file3.txt hello.py
~/directory1$ mv hello.py /home/user/directory1/directory2
~/directory1$ cd directory2
~/directory1/directory2$ ls
hello.py
~/directory1/directory2$ touch demo.txt
~/directory1/directory2$ cat>demo.txt
line 1
line 2
line 3
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line 11
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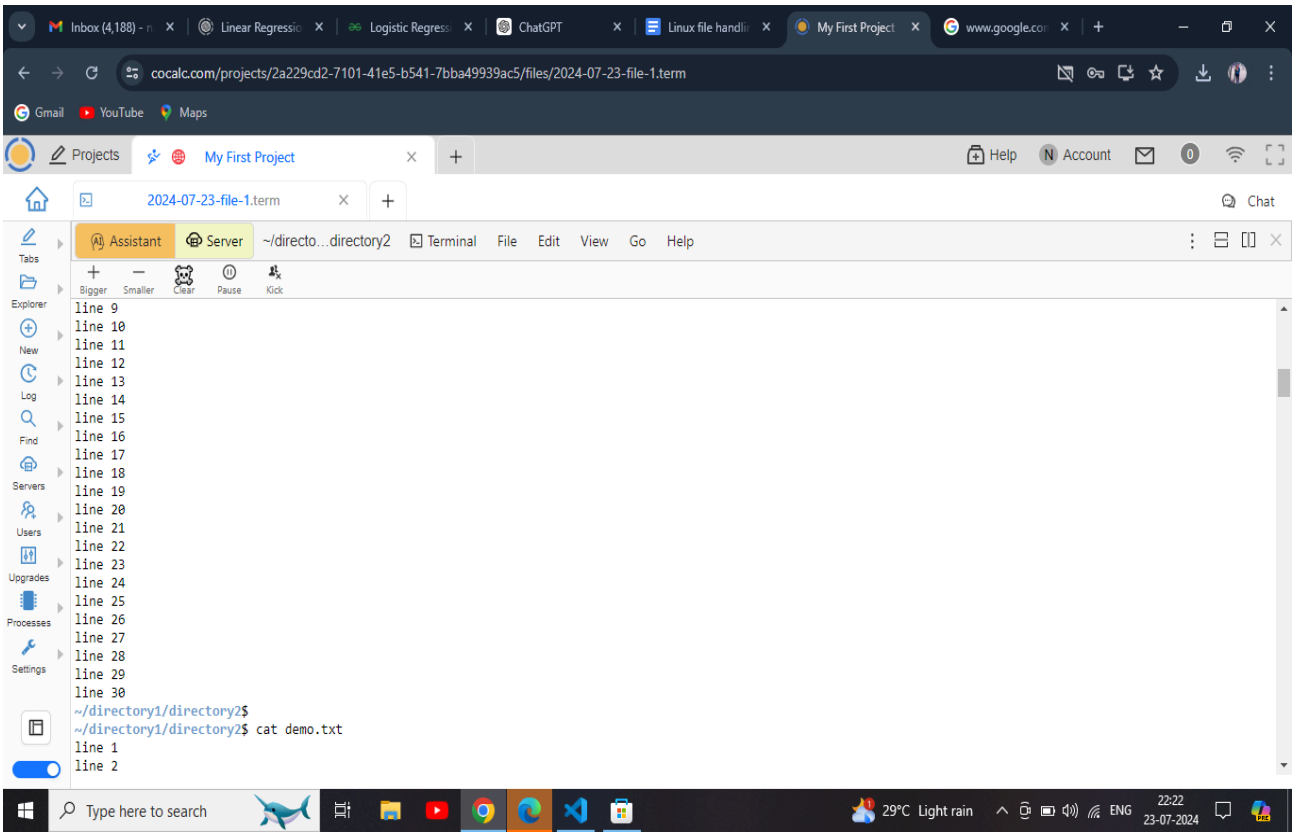
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line 24
line 25
line 26
line 27
line 28
line 29
line 30
~/directory1/directory2$
~/directory1/directory2$ cat demo.txt
line 1
line 2
Type here to search
29°C Light rain
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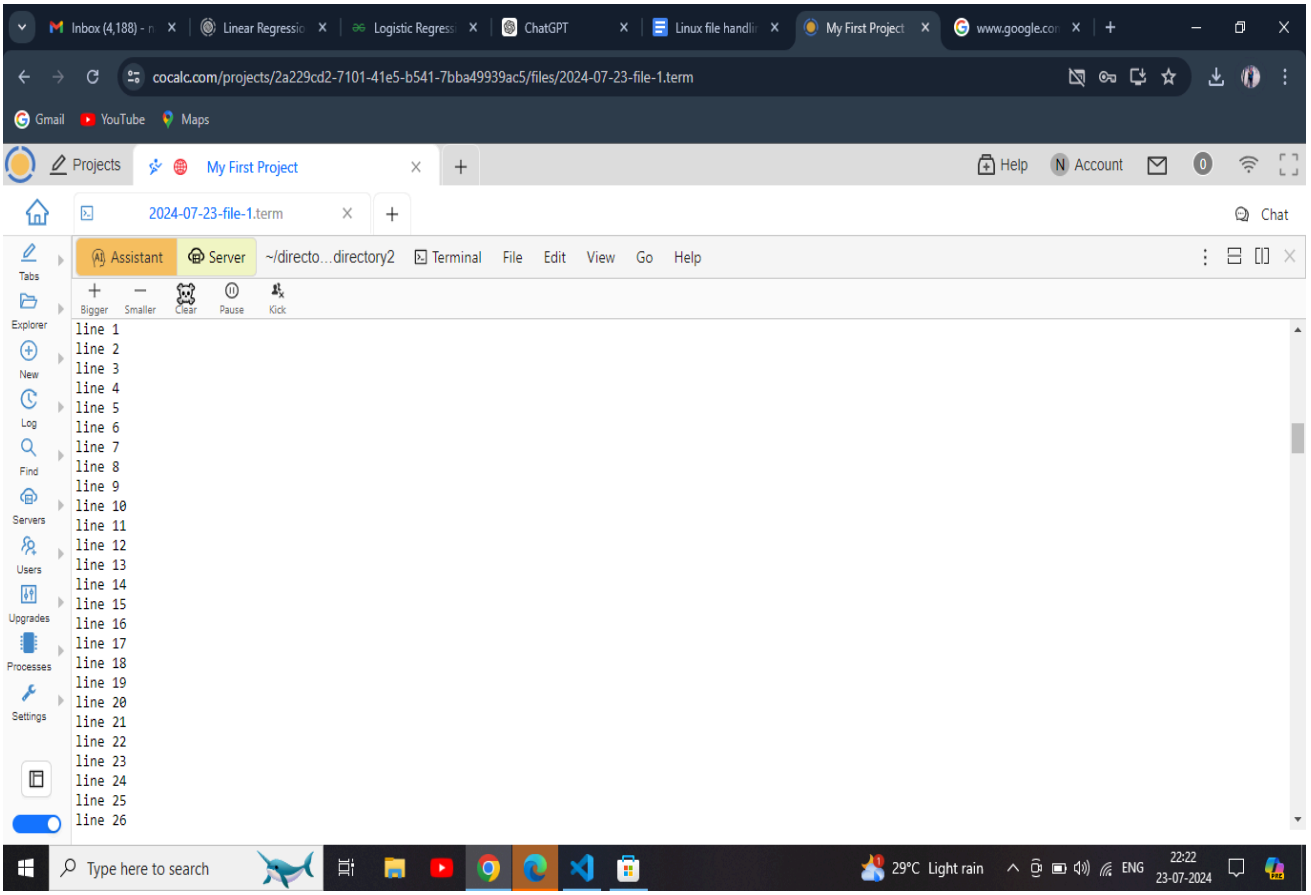
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Type here to search
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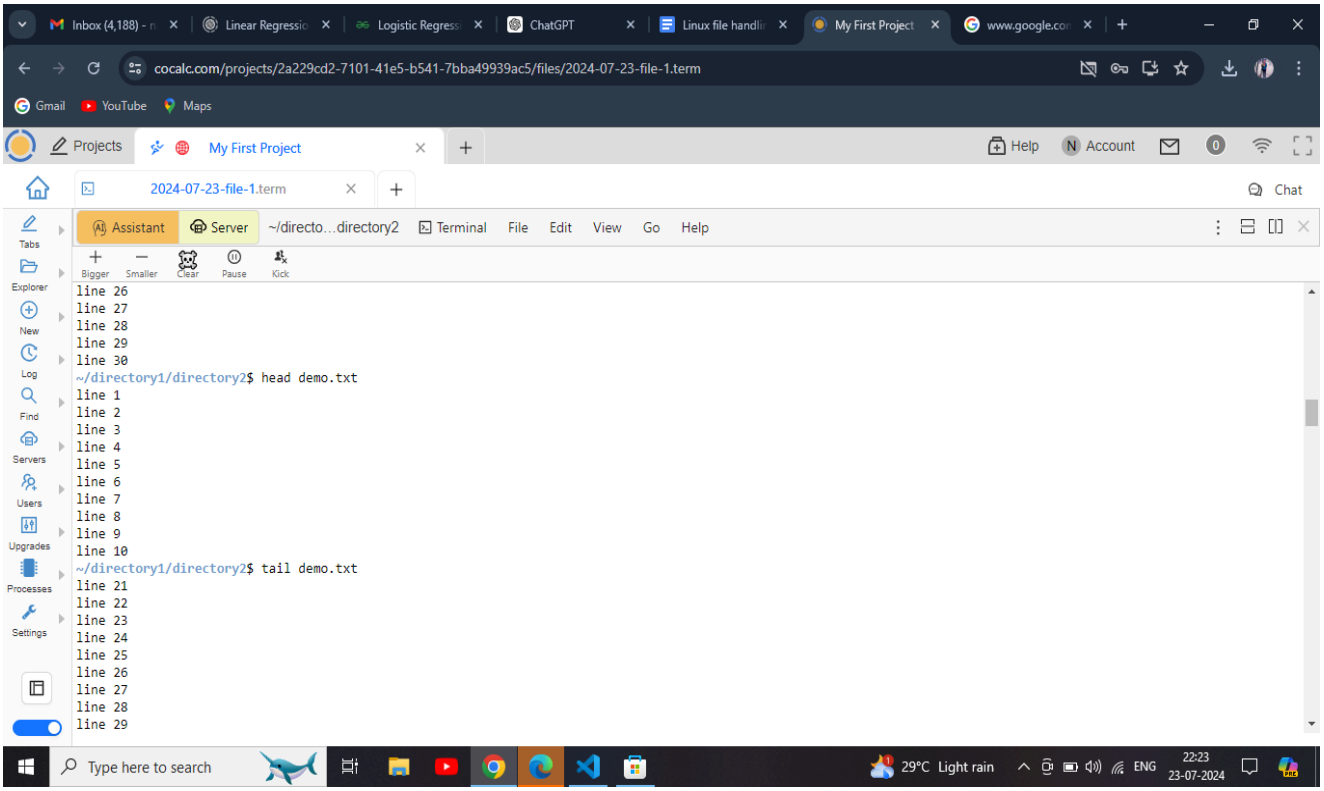
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line 26
line 27
line 28
line 29
line 30
~/directory1/directory2$ head demo.txt
line 1
line 2
line 3
line 4
line 5
line 6
line 7
line 8
line 9
line 10
~/directory1/directory2$ tail demo.txt
line 21
line 22
line 23
line 24
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line 26
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line 29
Type here to search
29°C Light rain
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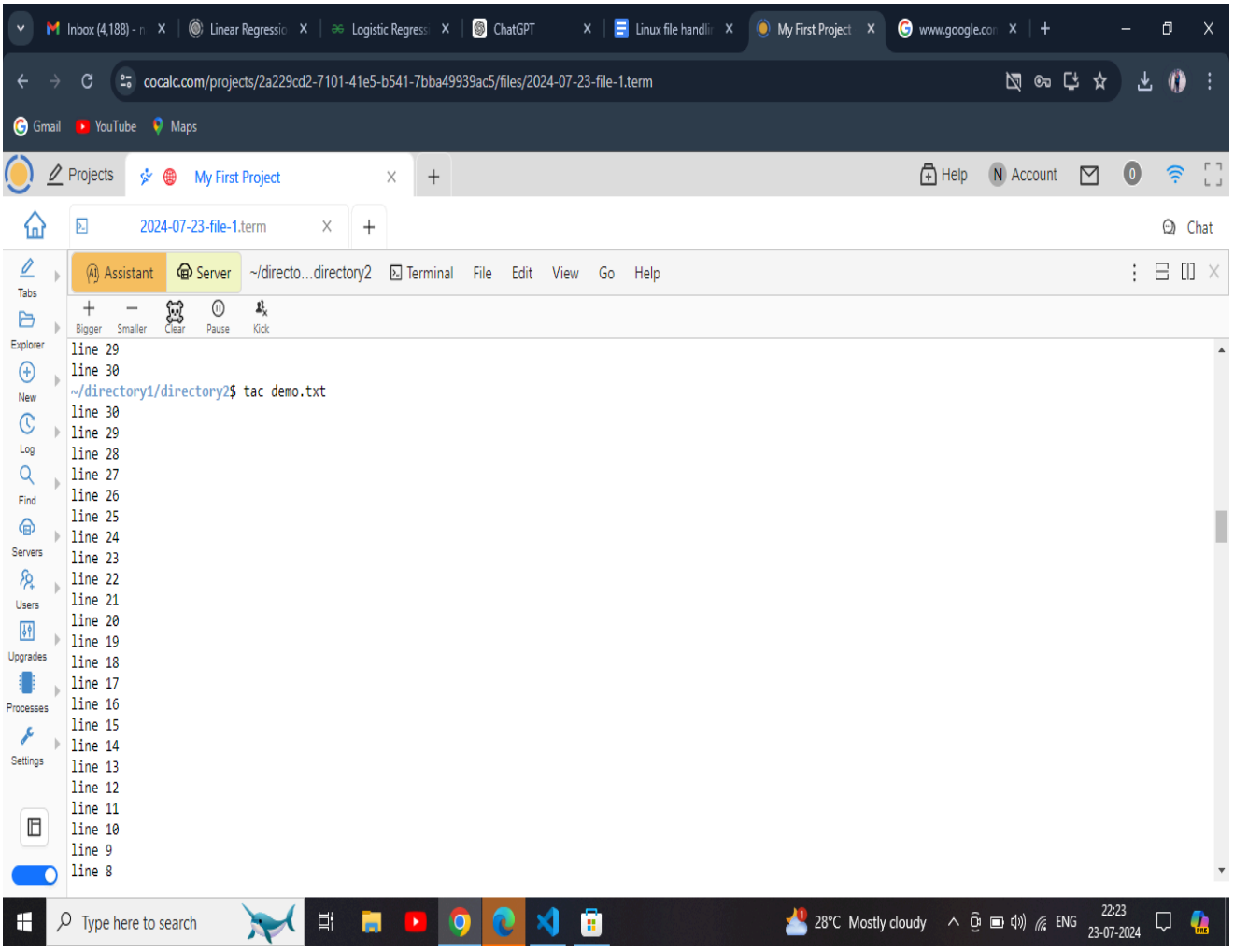
23-07-2024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~/directo...directory2
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line 29
line 30
~/directory1/directory2$ tac demo.txt
line 30
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line 28
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line 25
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Type here to search
28°C Mostly cloudy
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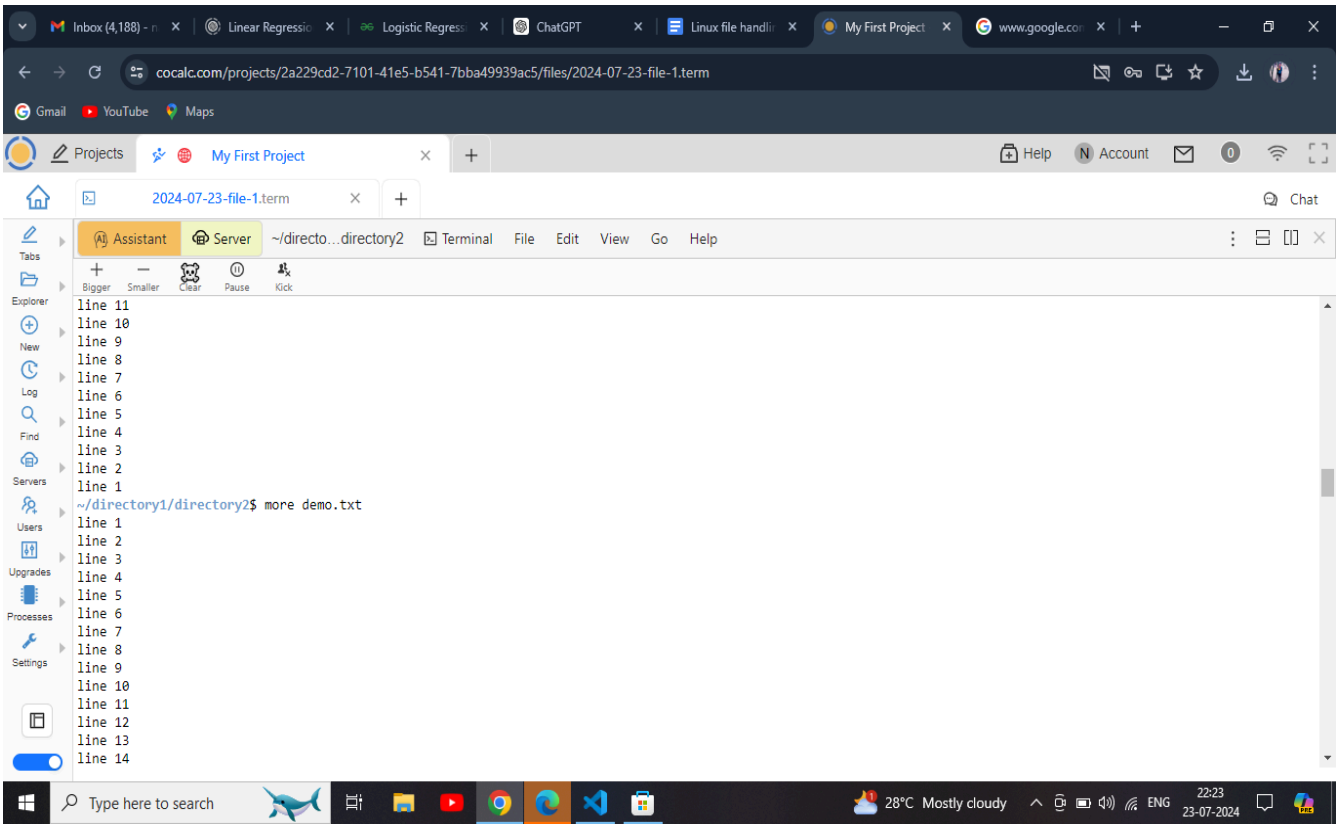
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line 11
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line 7
line 6
line 5
line 4
line 3
line 2
line 1
~/directory1/directory2$ more demo.txt
line 1
line 2
line 3
line 4
line 5
line 6
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line 14
Type here to search
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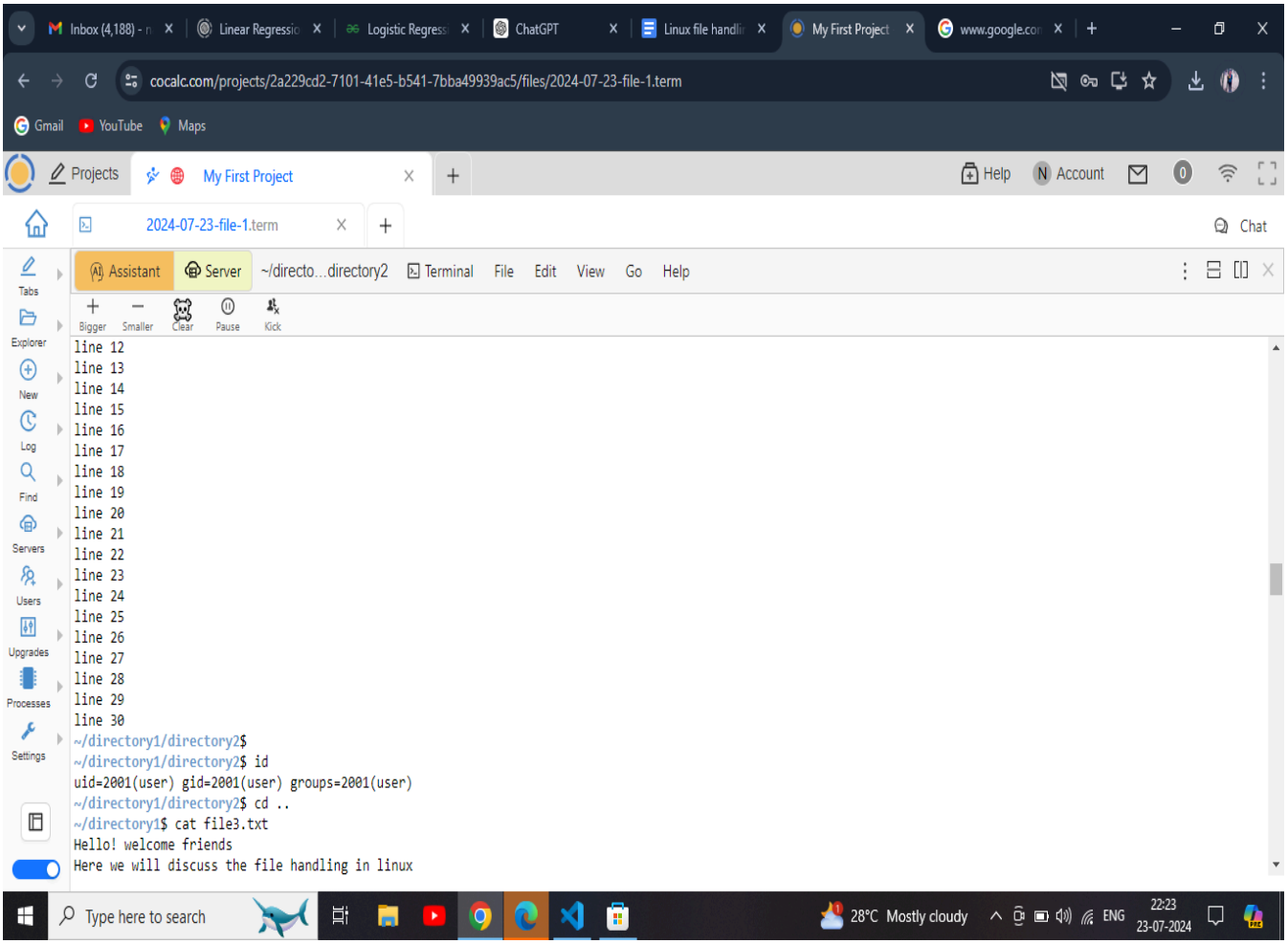
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line 23
line 24
line 25
line 26
line 27
line 28
line 29
line 30
~/directory1/directory2$
~/directory1/directory2$ id
uid=2001(user) gid=2001(user) groups=2001(user)
~/directory1/directory2$ cd ..
~/directory1$ cat file3.txt
Hello! welcome friends
Here we will discuss the file handling in linux
Type here to search
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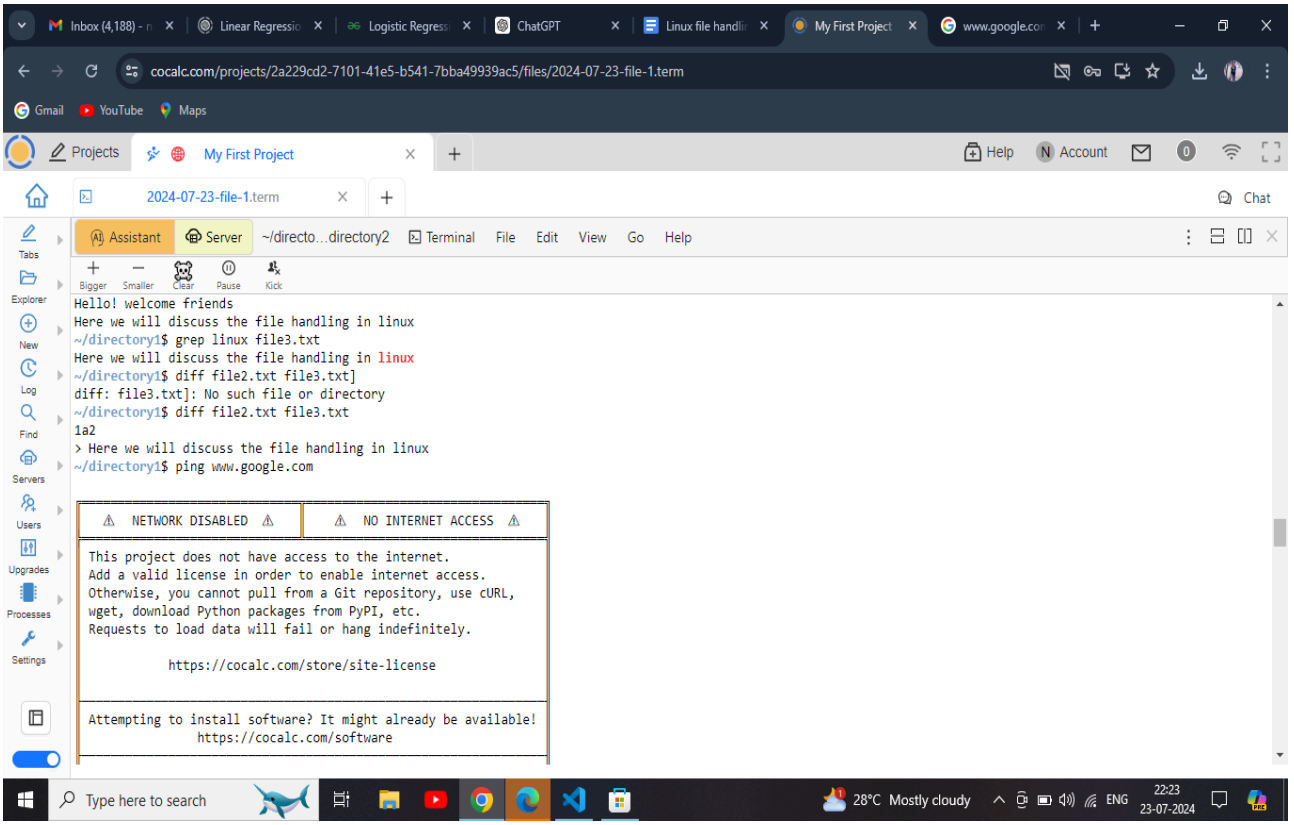
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~/directory1$ grep linux file3.txt
Here we will discuss the file handling in linux
~/directory1$ diff file2.txt file3.txt]
diff: file3.txt]: No such file or directory
~/directory1$ diff file2.txt file3.txt
1a2
> Here we will discuss the file handling in linux
~/directory1$ ping www.google.com
⚠ NETWORK DISABLED ⚠
⚠ NO INTERNET ACCESS ⚠
This project does not have access to the internet.
Add a valid license in order to enable internet access.
Otherwise, you cannot pull from a Git repository, use cURL,
wget, download Python packages from PyPI, etc.
Requests to load data will fail or hang indefinitely.
https://cocalc.com/store/site-license
Attempting to install software? It might already be available!
https://cocalc.com/software
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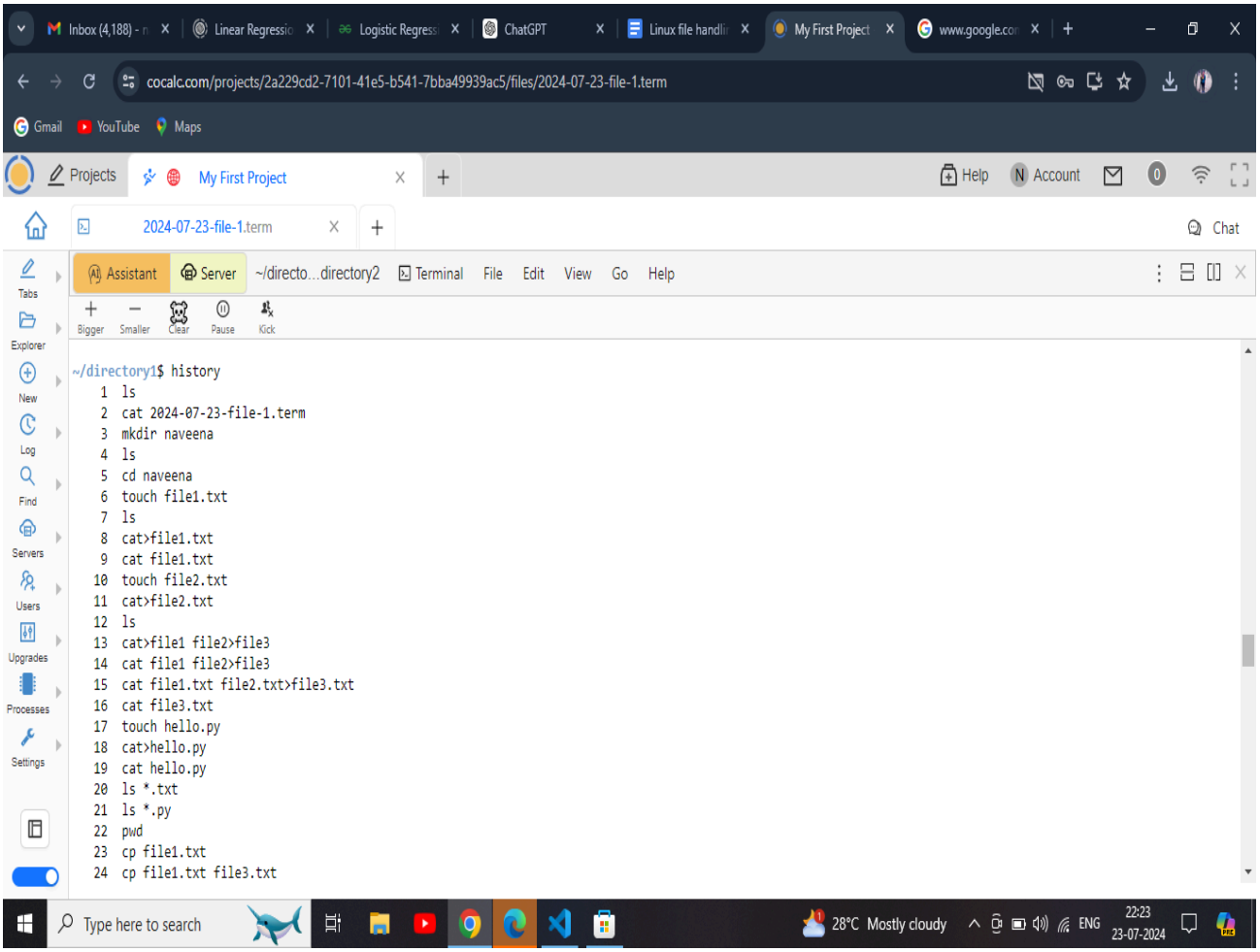
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Kick
Tabs
Explorer
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Users
Upgrades
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Settings
~/directory1$ history
1 ls
2 cat 2024-07-23-file-1.term
3 mkdir naveena
4 ls
5 cd naveena
6 touch file1.txt
7 ls
8 cat>file1.txt
9 cat file1.txt
10 touch file2.txt
11 cat>file2.txt
12 ls
13 cat>file1 file2>file3
14 cat file1 file2>file3
15 cat file1.txt file2.txt>file3.txt
16 cat file3.txt
17 touch hello.py
18 cat>hello.py
19 cat hello.py
20 ls *.txt
21 ls *.py
22 pwd
23 cp file1.txt
24 cp file1.txt file3.txt
Type here to search
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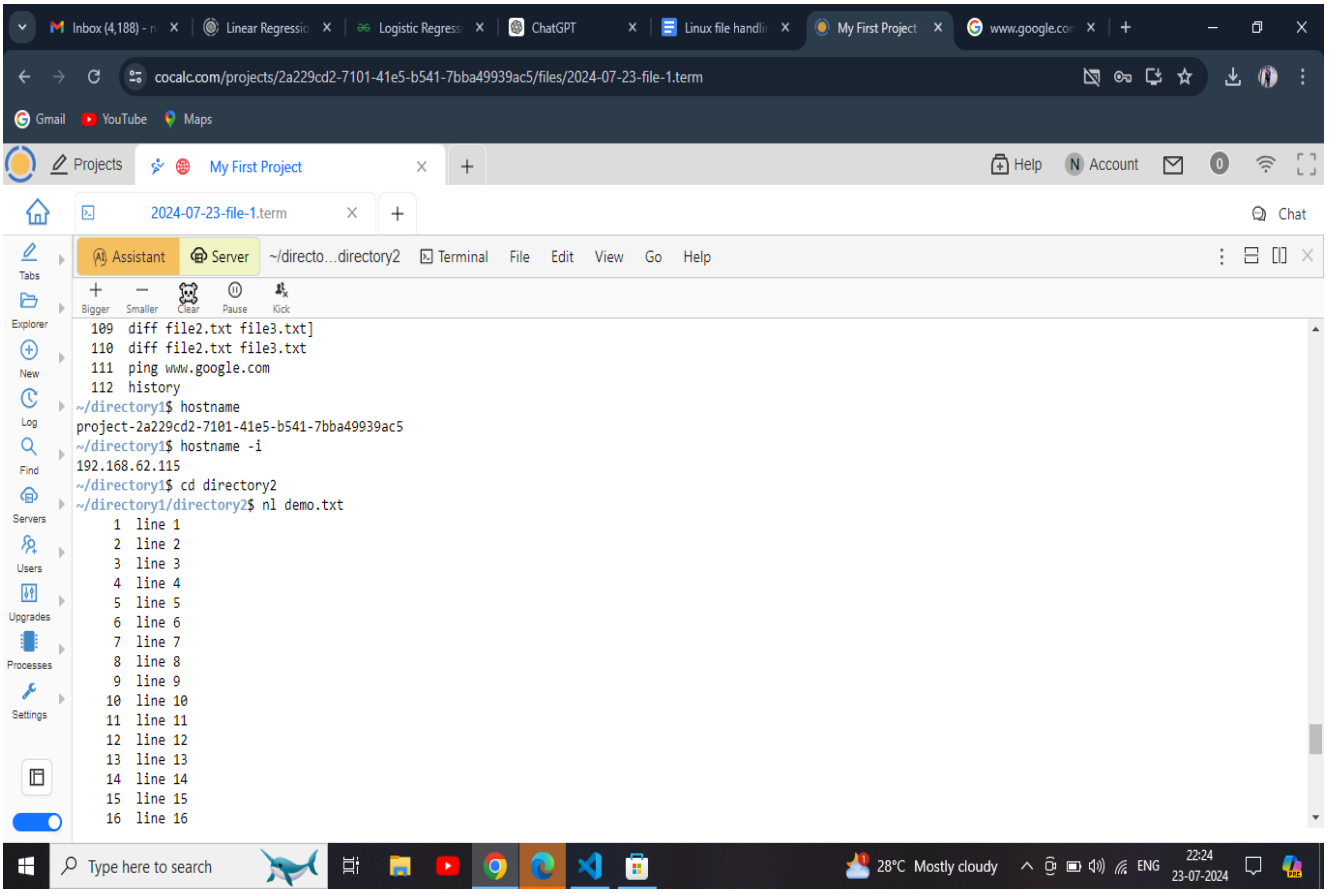
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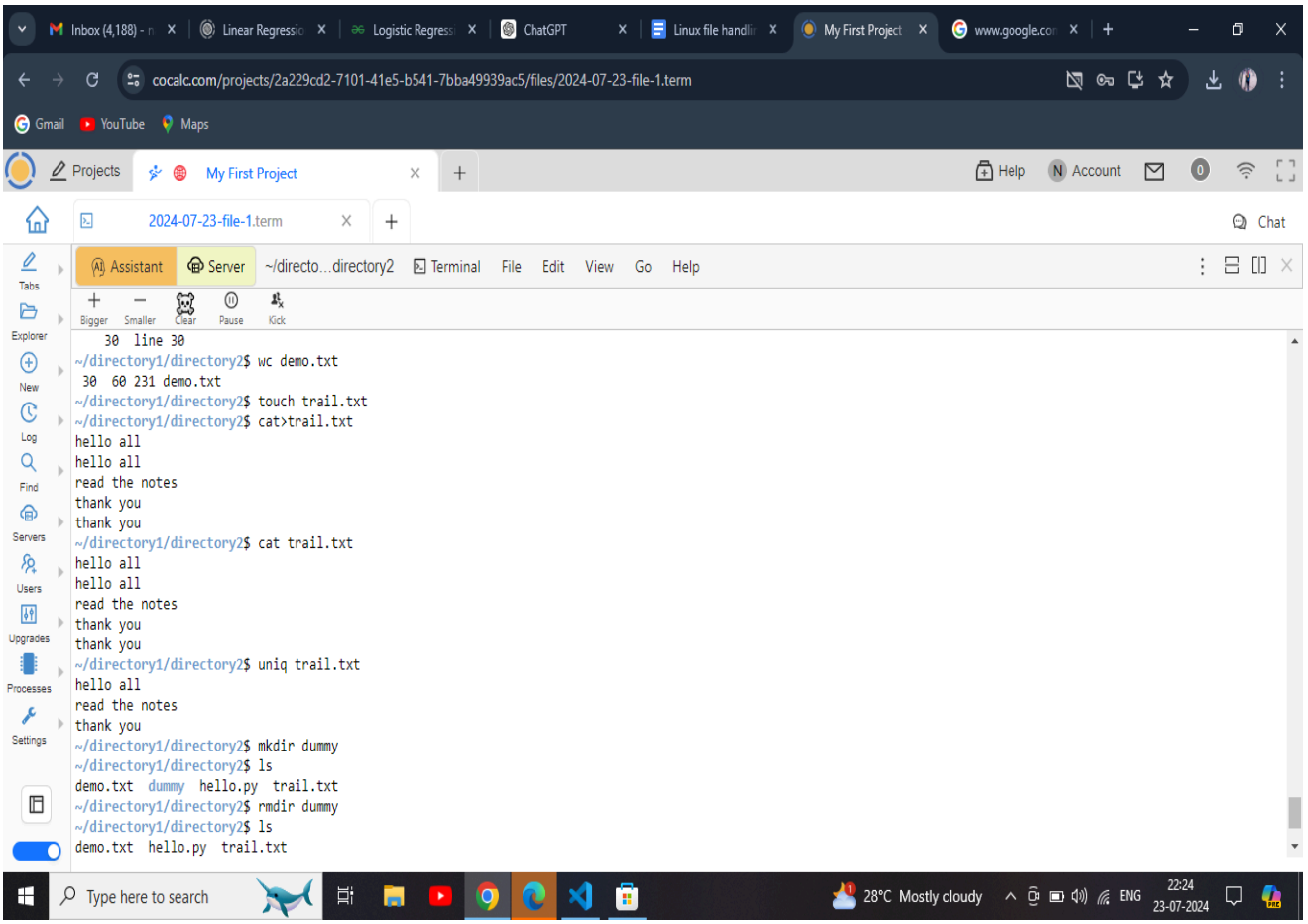
109 diff file2.txt file3.txt]
110 diff file2.txt file3.txt
111 ping www.google.com
112 history
~/directory1$ hostname
project-2a229cd2-7101-41e5-b541-7bba49939ac5
~/directory1$ hostname -i
192.168.62.115
~/directory1$ cd directory2
~/directory1/directory2$ nl demo.txt
1 line 1
2 line 2
3 line 3
4 line 4
5 line 5
6 line 6
7 line 7
8 line 8
9 line 9
10 line 10
11 line 11
12 line 12
13 line 13
14 line 14
15 line 15
16 line 16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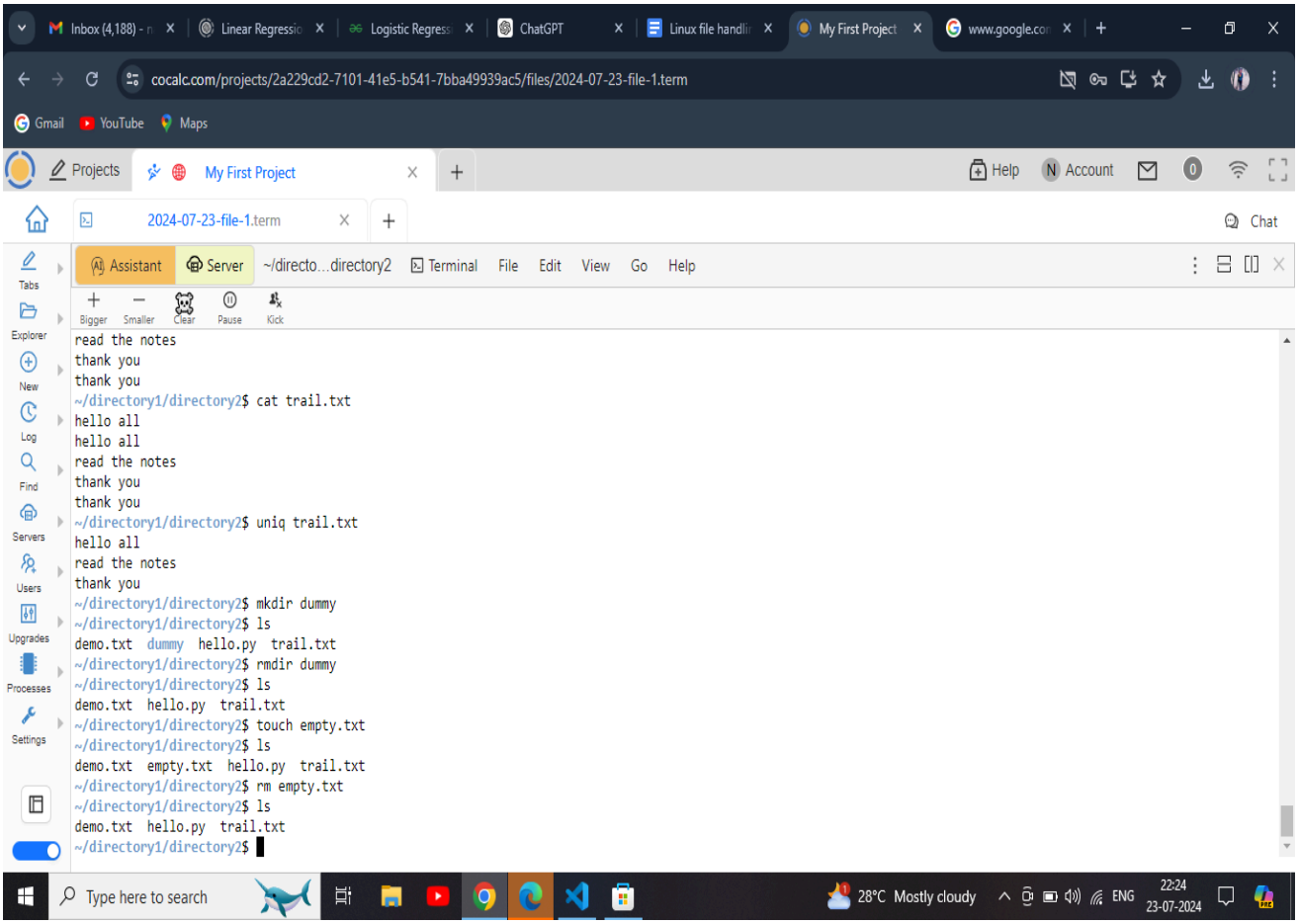
30 line 30
~/directory1/directory2$ wc demo.txt
30 60 231 demo.txt
~/directory1/directory2$ touch trail.txt
~/directory1/directory2$ cat>trail.txt
hello all
hello all
read the notes
thank you
thank you
~/directory1/directory2$ cat trail.txt
hello all
hello all
read the notes
thank you
thank you
~/directory1/directory2$ uniq trail.txt
hello all
read the notes
thank you
~/directory1/directory2$ mkdir dummy
~/directory1/directory2$ ls
demo.txt dummy hello.py trail.txt
~/directory1/directory2$ rmdir dummy
~/directory1/directory2$ ls
demo.txt hello.py trail.txt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thank you
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~/directory1/directory2$ cat trail.txt
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hello all
read the notes
thank you
thank you
~/directory1/directory2$ uniq trail.txt
hello all
read the notes
thank you
~/directory1/directory2$ mkdir dummy
~/directory1/directory2$ ls
demo.txt dummy hello.py trail.txt
~/directory1/directory2$ rmdir dummy
~/directory1/directory2$ ls
demo.txt hello.py trail.txt
~/directory1/directory2$ touch empty.txt
~/directory1/directory2$ ls
demo.txt empty.txt hello.py trail.txt
~/directory1/directory2$ rm empty.txt
~/directory1/directory2$ ls
demo.txt hello.py trail.txt
~/directory1/directory2$
Type here to search
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