

# Shell Scripting Day 1 Assignment

- Create a directory with your name, create a read-only file in your home directory and add the text below in your file:

This is my first file.

Line 1

Line 2

Line 3

Line 4

Line 5

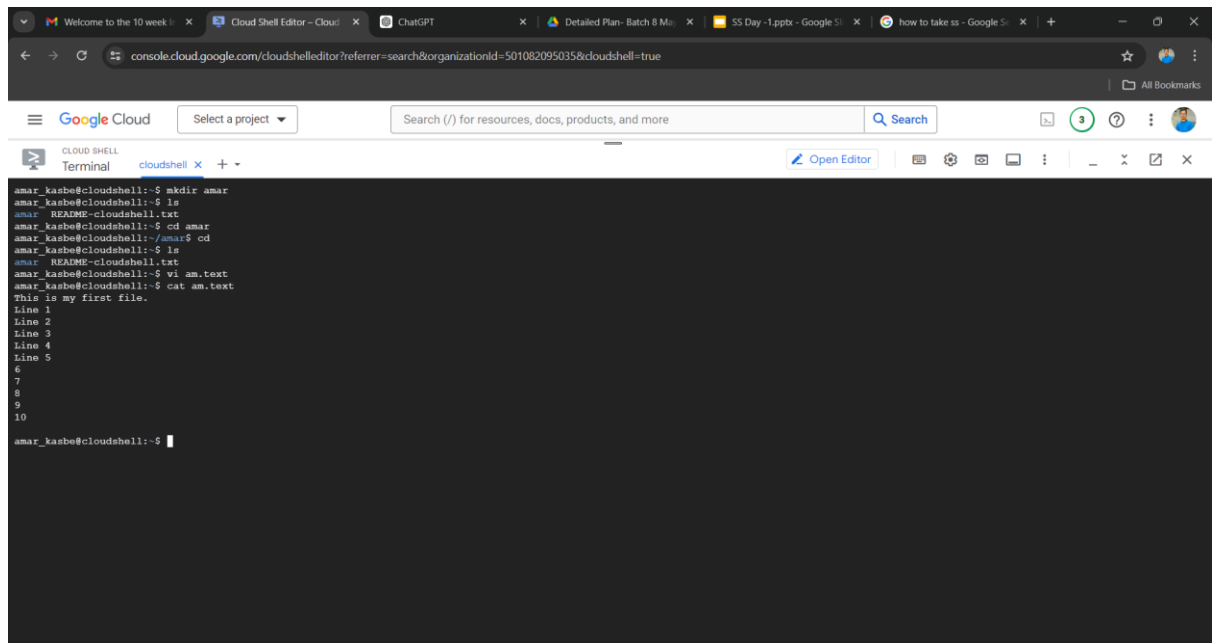
6

7

8

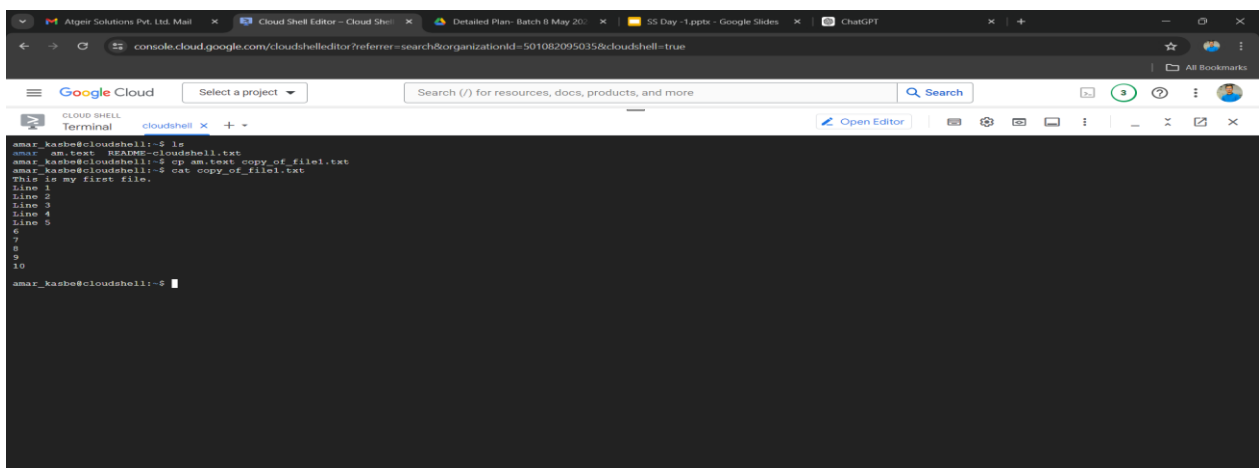
9

10



```
amar_kasbe@cloudshell:~$ mkdir amar
amar_kasbe@cloudshell:~$ ls
amar_README-cloudshell.txt
amar_kasbe@cloudshell:~$ cd amar
amar_kasbe@cloudshell:~/amar$ cd
amar_kasbe@cloudshell:~$ ls
amar_README-cloudshell.txt
amar_kasbe@cloudshell:~$ vi am.text
amar_kasbe@cloudshell:~$ cat am.text
This is my first file.
Line 1
Line 2
Line 3
Line 4
Line 5
6
7
8
9
10
amar_kasbe@cloudshell:~$
```

- Create a copy of file created above and name it as “copy\_of\_file1.txt”



```
amar_kasbe@cloudshell:~$ ls
amar_am.text  README-cloudshell.txt
amar_kasbe@cloudshell:~$ cp am.text copy_of_file1.txt
amar_kasbe@cloudshell:~$ cat copy_of_file1.txt
This is my first file.
Line 1
Line 2
Line 3
Line 4
Line 5
6
7
8
9
10
amar_kasbe@cloudshell:~$
```

- Count the number of characters, words and lines in this file.

The screenshot shows a Google Cloud Shell terminal window. The user has created a file named 'am.text' and copied its contents to 'README-cloudshell.txt'. They then used the 'cat' command to display the contents of 'am.text', which are: 'This is my first file.', 'Line 1', 'Line 2', 'Line 3', 'Line 4', 'Line 5', '6', '7', '8', '9', and '10'. Finally, they used the 'wc' command to count the lines, words, and characters in 'am.text', resulting in '12 20 70 am.text'.

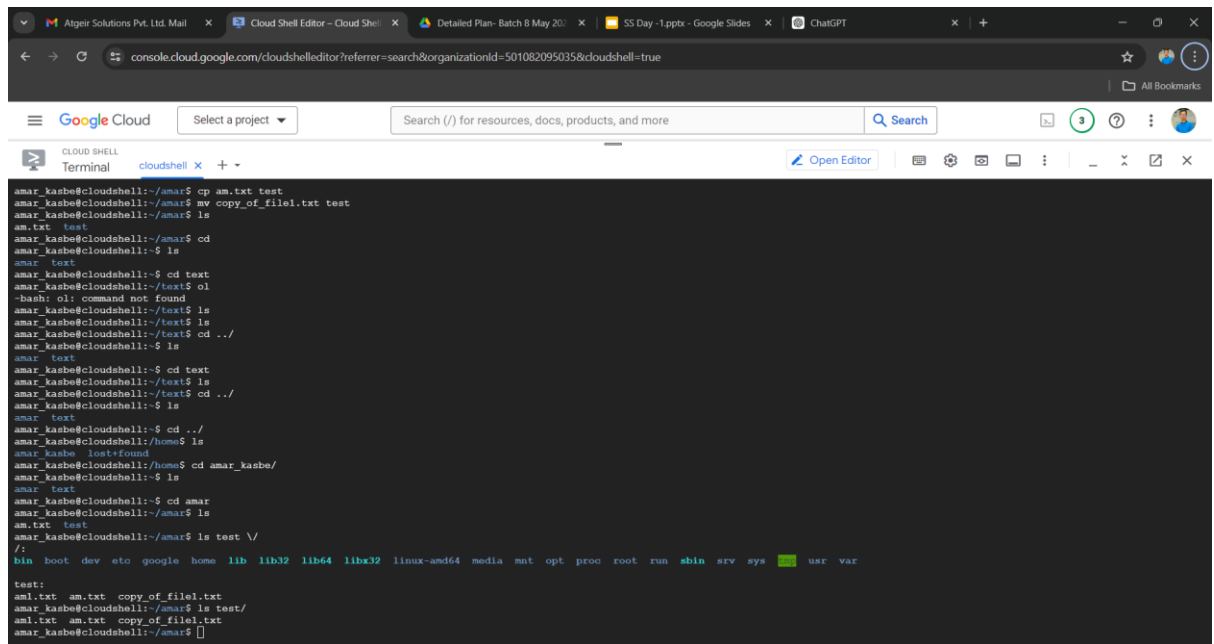
```
amar_kashe@cloudshell:~$ ls
amar_kashe@cloudshell:~$ cp am.text README-cloudshell.txt
amar_kashe@cloudshell:~$ cat am.text
This is my first file.
Line 1
Line 2
Line 3
Line 4
Line 5
6
7
8
9
10
amar_kashe@cloudshell:~$ wc am.text
12 20 70 am.text
amar_kashe@cloudshell:~$
```

- To view a list of all the users who have currently logged in?

The screenshot shows a Google Cloud Shell terminal window where the user has entered the 'w' command. The output displays system statistics (09:40:29 up 35 min, 0 users, load average: 0.06, 0.05, 0.03) and a table of currently logged-in users.

```
amar_kashe@cloudshell:~$ w
09:40:29 up 35 min, 0 users, load average: 0.06, 0.05, 0.03
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU WHAT
amar_kashe@cloudshell:~$
```

- Create a new directory named “test” in your home directory.
  - Copy file you created to the test directory
  - Move the file “copy\_of\_file1.txt” you created to the test directory

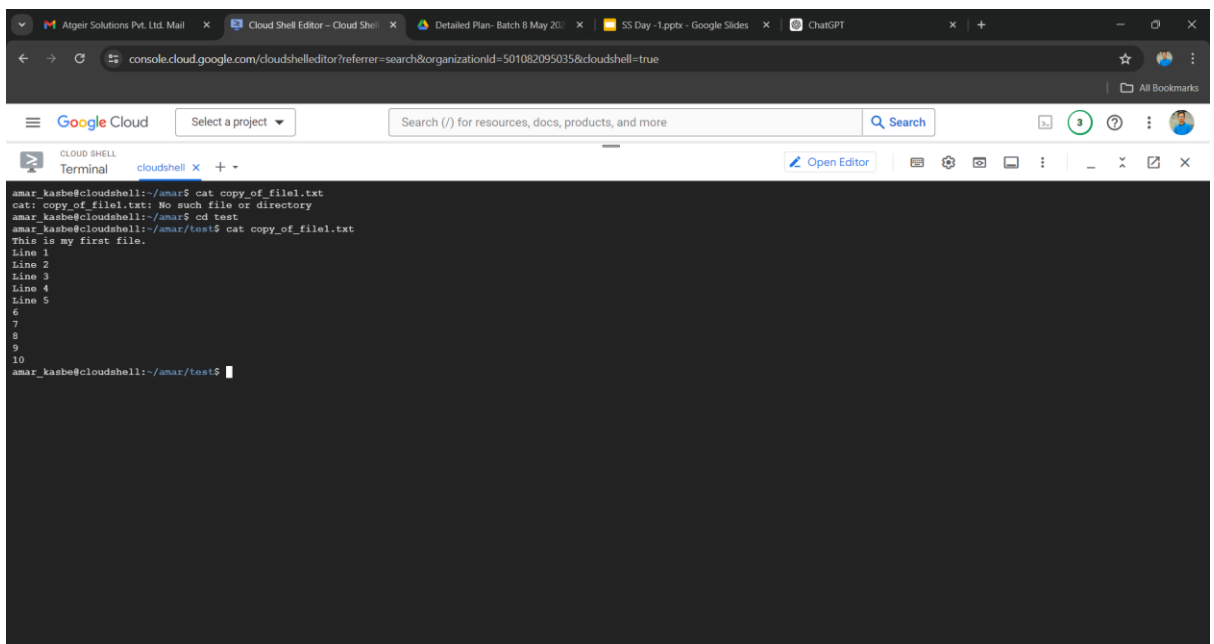


A screenshot of a Google Cloud Shell terminal window. The terminal shows a series of commands and their outputs. The user starts by creating a file 'am.txt' and then copies it to 'copy\_of\_file1.txt'. They then navigate into the 'test' directory and list the contents, showing 'am.txt'. The user then navigates back to the root directory and lists the contents, showing 'am.txt' and 'copy\_of\_file1.txt'. Finally, they use the 'cat' command to display the contents of 'copy\_of\_file1.txt', which is 'This is my first file.'.

```
amar_kasbe@cloudshell:~/amar$ cp am.txt test
amar_kasbe@cloudshell:~/amar$ mv copy_of_file1.txt test
amar_kasbe@cloudshell:~/amar$ ls
am.txt  test
amar_kasbe@cloudshell:~/amar$ cd
amar_kasbe@cloudshell:~$ ls
amar  test
amar_kasbe@cloudshell:~$ cd test
amar_kasbe@cloudshell:~/test$ ls
-bash: ls: command not found
amar_kasbe@cloudshell:~/test$ ls
amar_kasbe@cloudshell:~/test$ ls
amar_kasbe@cloudshell:~/test$ cd ../
amar_kasbe@cloudshell:~$ ls
amar  test
amar_kasbe@cloudshell:~$ cd test
amar_kasbe@cloudshell:~/test$ ls
amar_kasbe@cloudshell:~/test$ cd ../
amar_kasbe@cloudshell:~$ ls
amar  test
amar_kasbe@cloudshell:~$ cd ../
amar_kasbe@cloudshell:~/home$ ls
amar_kasbe  lost+found
amar_kasbe@cloudshell:~/home$ cd amar_kasbe/
amar_kasbe@cloudshell:~$ ls
amar  test
amar_kasbe@cloudshell:~$ cd amar
amar_kasbe@cloudshell:~/amar$ ls
am.txt  test
amar_kasbe@cloudshell:~/amar$ ls test /
/:
bin  boot  dev  etc  google  home  lib  lib32  lib64  libx32  linux-amd64  media  mnt  opt  proc  root  run  sbin  srv  sys  usr  var

test:
am.txt  am.txt  copy_of_file1.txt
amar_kasbe@cloudshell:~/amar$ ls test/
am.txt  am.txt  copy_of_file1.txt
amar_kasbe@cloudshell:~/amar$
```

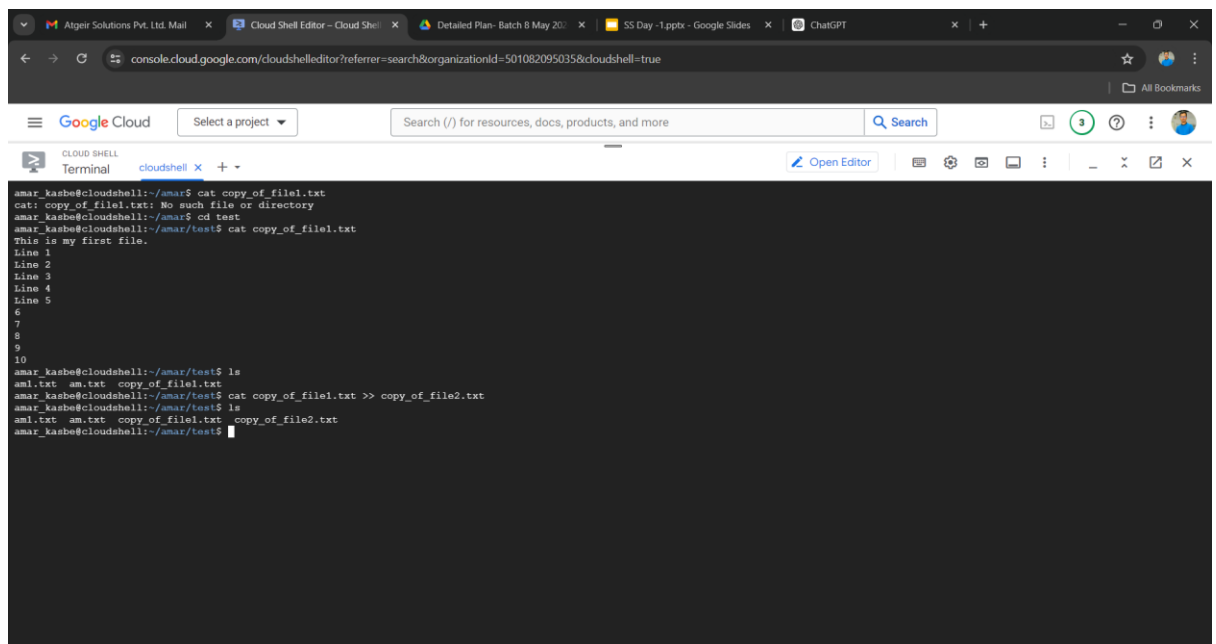
- Display content of the file on the screen copy\_of\_file1.txt ?



A screenshot of a Google Cloud Shell terminal window. The terminal shows the user using the 'cat' command to display the contents of 'copy\_of\_file1.txt'. The output is 'This is my first file.' followed by line numbers 1 through 10.

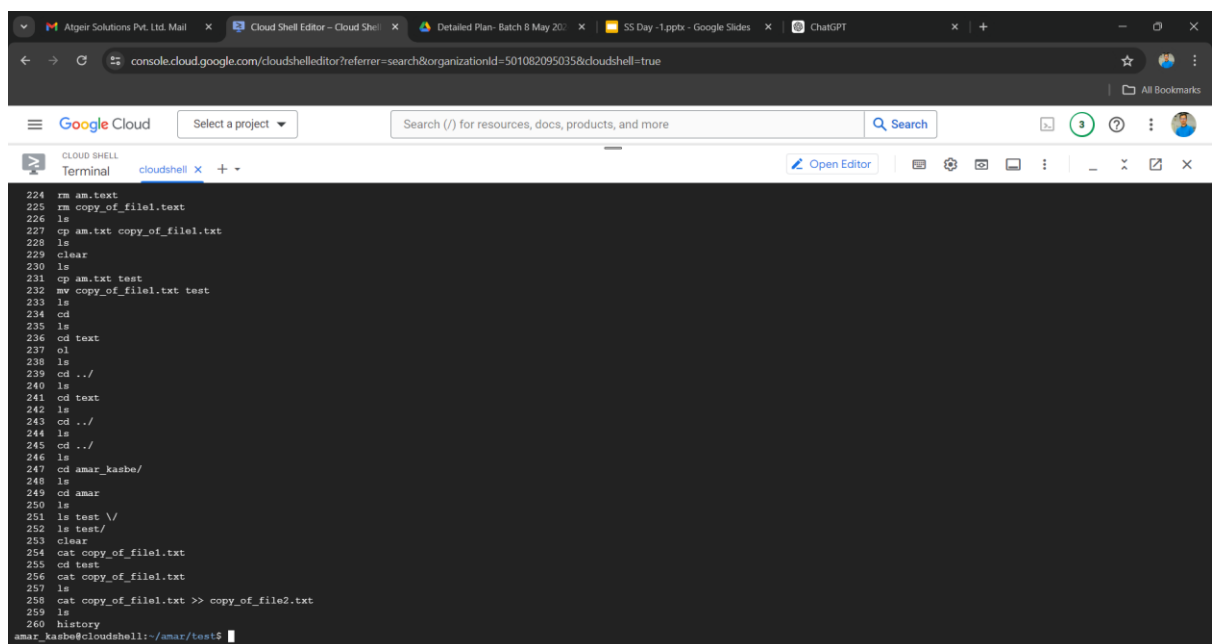
```
amar_kasbe@cloudshell:~/amar$ cat copy_of_file1.txt
cat: copy_of_file1.txt: No such file or directory
amar_kasbe@cloudshell:~/amar$ cd test
amar_kasbe@cloudshell:~/amar/test$ cat copy_of_file1.txt
This is my first file.
Line 1
Line 2
Line 3
Line 4
Line 5
6
7
8
9
10
amar_kasbe@cloudshell:~/amar/test$
```

- List different ways you can copy the content of the file copy\_of\_file1.txt to the file copy\_of\_file2.txt



```
amar_kasbe@cloudshell:~/amar$ cat copy_of_file1.txt
cat: copy_of_file1.txt: No such file or directory
amar_kasbe@cloudshell:~/amar$ cd test
amar_kasbe@cloudshell:~/amar/test$ cat copy_of_file1.txt
This is my first file.
Line 1
Line 2
Line 3
Line 4
Line 5
6
7
8
9
10
amar_kasbe@cloudshell:~/amar/test$ ls
aml.txt  am.txt  copy_of_file1.txt
amar_kasbe@cloudshell:~/amar/test$ cat copy_of_file1.txt >> copy_of_file2.txt
amar_kasbe@cloudshell:~/amar/test$ ls
aml.txt  am.txt  copy_of_file1.txt  copy_of_file2.txt
amar_kasbe@cloudshell:~/amar/test$
```

- To view the list of Commands executed?



```
224 rm am.txt
225 rm copy_of_file1.txt
226 ls
227 cp am.txt copy_of_file1.txt
228 ls
229 clear
230 ls
231 cp am.txt test
232 mv copy_of_file1.txt test
233 ls
234 cd
235 ls
236 cd test
237 ol
238 ls
239 cd ../
240 ls
241 cd test
242 ls
243 cd ../
244 ls
245 cd ../
246 ls
247 cd amar_kasbe/
248 ls
249 cd amar
250 ls
251 ls test \
252 ls test/
253 clear
254 cat copy_of_file1.txt
255 cd test
256 cat copy_of_file1.txt
257 ls
258 cat copy_of_file1.txt >> copy_of_file2.txt
259 ls
260 history
amar_kasbe@cloudshell:~/amar/test$
```

- Create directories in your home directories and files as shown below:  
<your home directory>/assignment/day1/one/two/three/four/five/  
In the directory one, create files one.txt one1.txt one11.txt  
In the directory two, create files two.txt tow2.txt two22.txt  
In the directory three, create files three.txt three3.txt three33.txt  
In the directory four, create files four.txt four4.txt four44.txt  
In the directory five, create files five.txt five5.txt five55.txt

In the file one.txt add the text: This is file one.txt

In the file two.txt add the text: This is file two.txt

In the file three.txt add the text: This is file three.txt

In the file four.txt add the text: This is file four.txt

In the file five.txt add the text: This is file five.txt

Display the content from one.txt, two.txt, three.txt, four.txt, finve.txt in the format below:

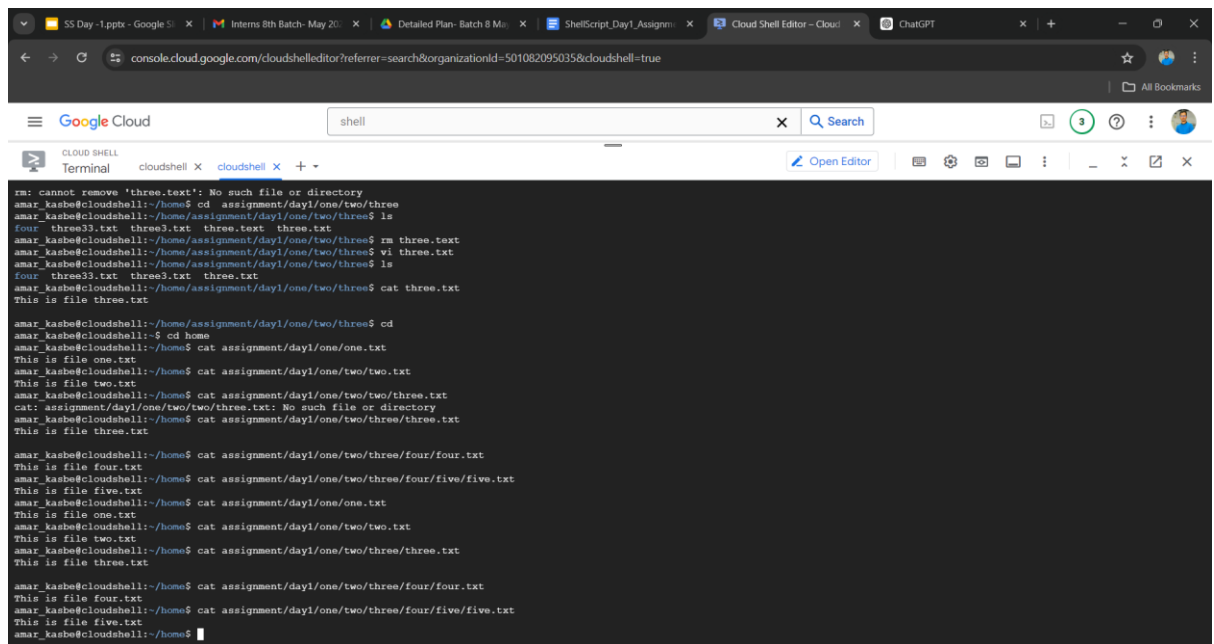
This is file one.txt

This is file two.txt

This is file three.txt

This is file four.txt

This is file five.txt



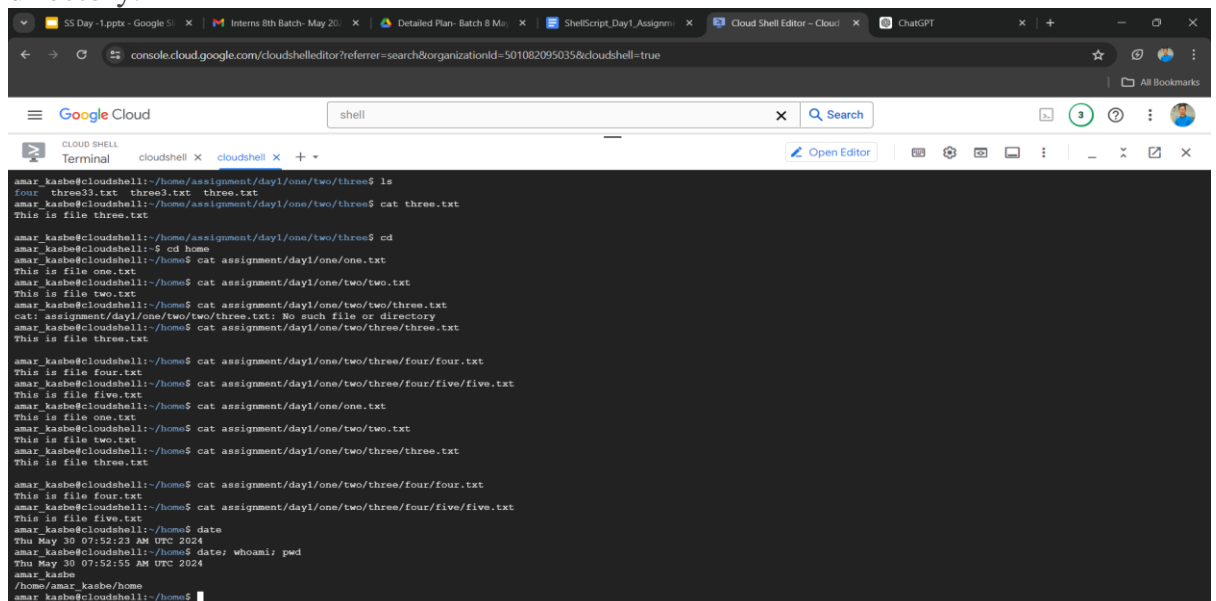
```
amar_kasbe@cloudshell:~/home$ cd assignment/day1/one/two/three
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ ls
four three33.txt three3.txt three.txt
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ rm three.txt
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ vi three.txt
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ ls
four three33.txt three3.txt three.txt
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ cat three.txt
This is file three.txt

amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ cd
amar_kasbe@cloudshell:~/home$ cd home
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/one.txt
This is file one.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/two.txt
This is file two.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three.txt
cat: assignment/day1/one/two/three.txt: No such file or directory
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/three.txt
This is file three.txt

amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/four.txt
This is file four.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/five/five.txt
This is file five.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/one.txt
This is file one.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/two.txt
This is file two.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/three.txt
This is file three.txt

amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/four.txt
This is file four.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/five/five.txt
This is file five.txt
amar_kasbe@cloudshell:~/home$
```

- Write commands to get the current date, time, username and current working directory.



```
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ ls
four three33.txt three3.txt three.txt
amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ cat three.txt
This is file three.txt

amar_kasbe@cloudshell:~/home/assignment/day1/one/two/three$ cd
amar_kasbe@cloudshell:~/home$ cd home
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/one.txt
This is file one.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/two.txt
This is file two.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three.txt
cat: assignment/day1/one/two/three.txt: No such file or directory
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/three.txt
This is file three.txt

amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/four.txt
This is file four.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/five/five.txt
This is file five.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/one.txt
This is file one.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/two.txt
This is file two.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/three.txt
This is file three.txt

amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/four.txt
This is file four.txt
amar_kasbe@cloudshell:~/home$ cat assignment/day1/one/two/three/four/five/five.txt
This is file five.txt
amar_kasbe@cloudshell:~/home$ date
Thu May 30 07:52:23 AM UTC 2024
amar_kasbe@cloudshell:~/home$ date; whoami; pwd
Thu May 30 07:52:55 AM UTC 2024
amar_kasbe
/home/amar_kasbe/home
amar_kasbe@cloudshell:~/home$
```