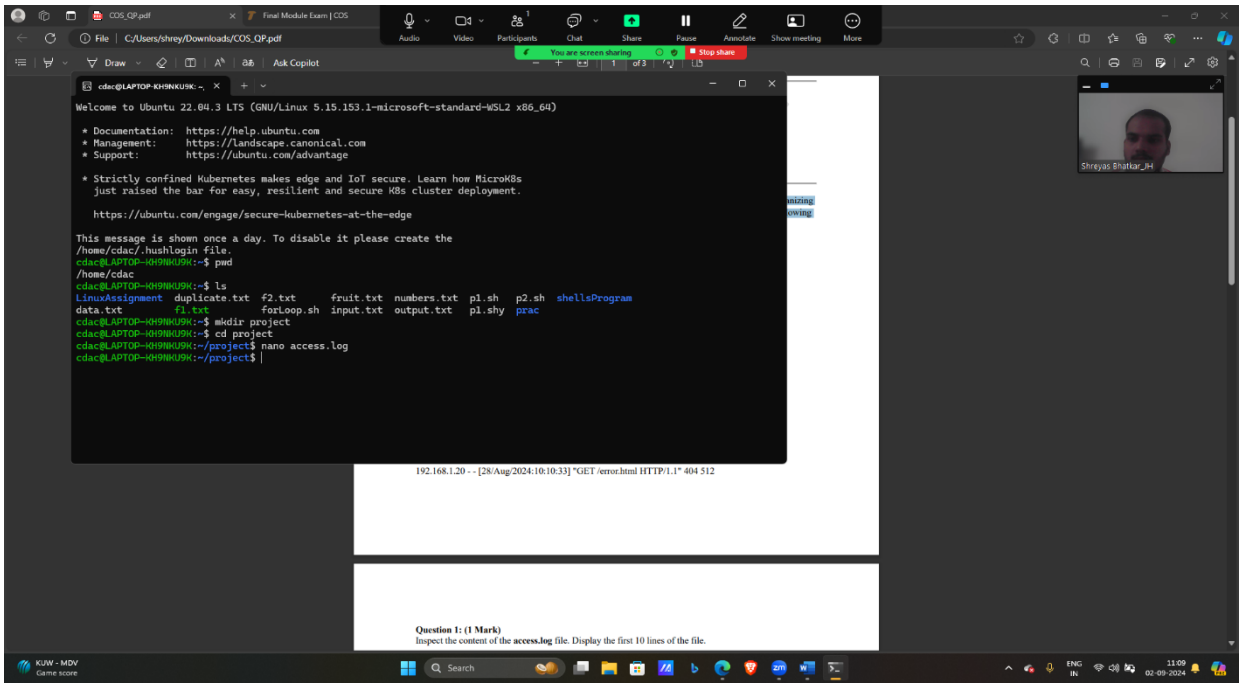
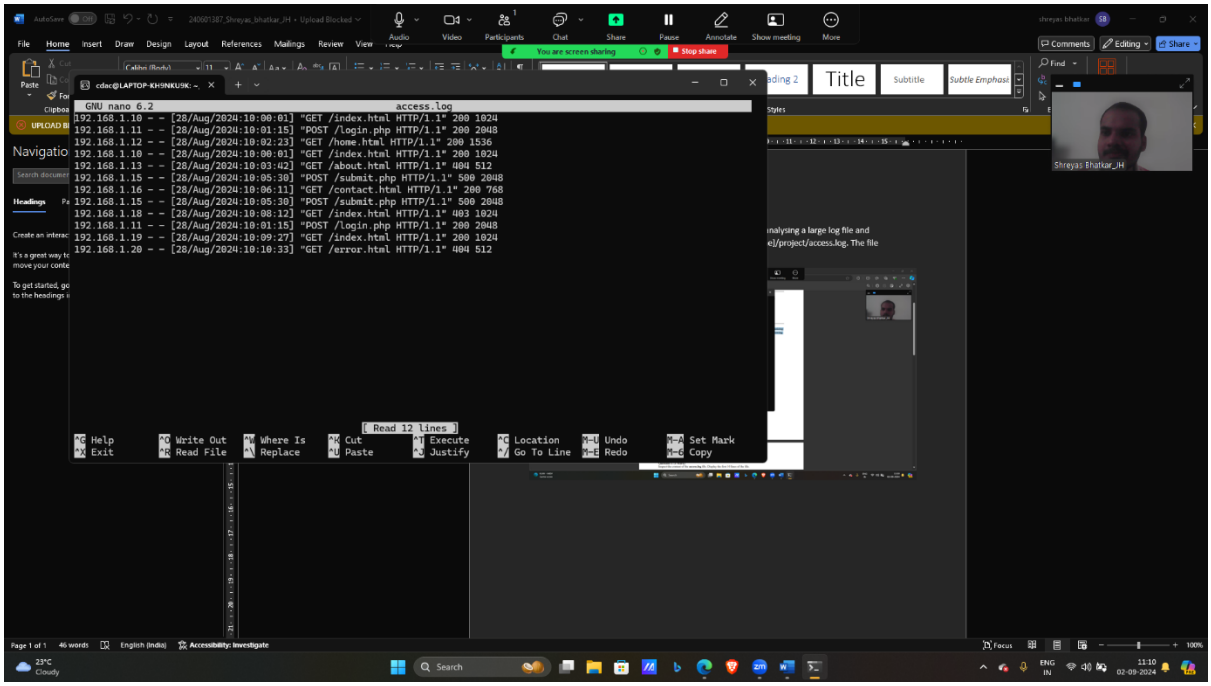
Name : Shreyas Bhatkar

Form no : 240601387

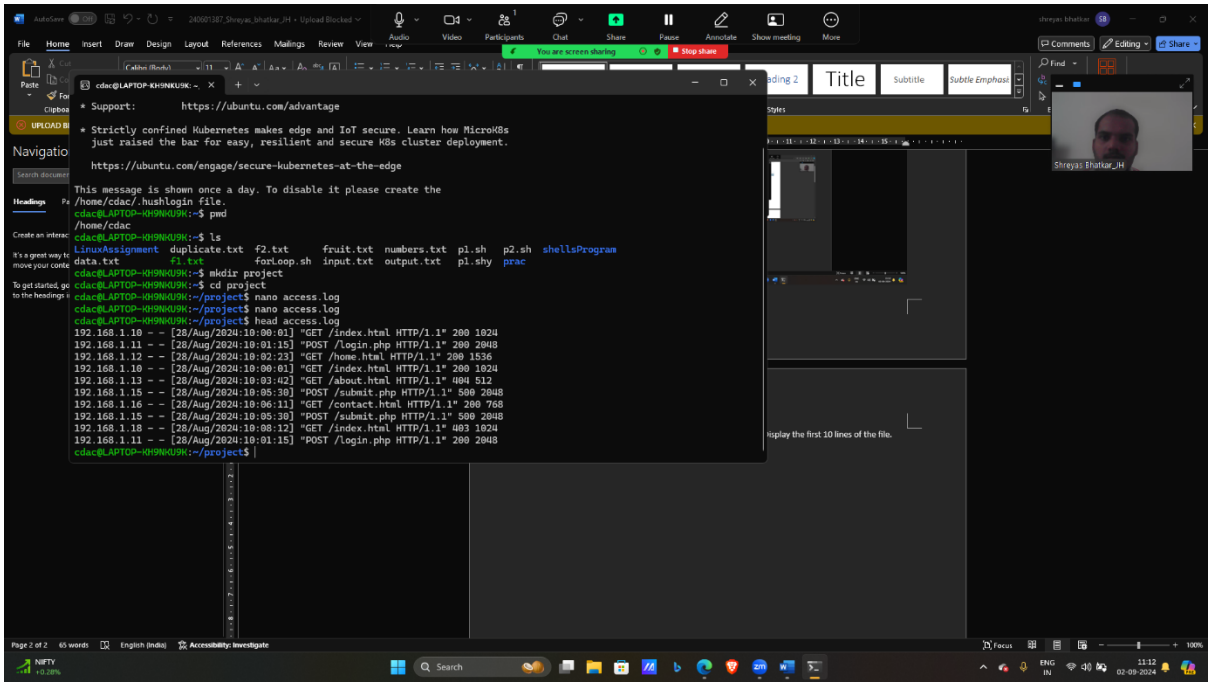
Center : Juhu

Problem Statement: You are working on a project that involves analysing a large log file and organizing the results. The log file is located at /home/[username]/project/access.log. The file contains the following data (Use this data

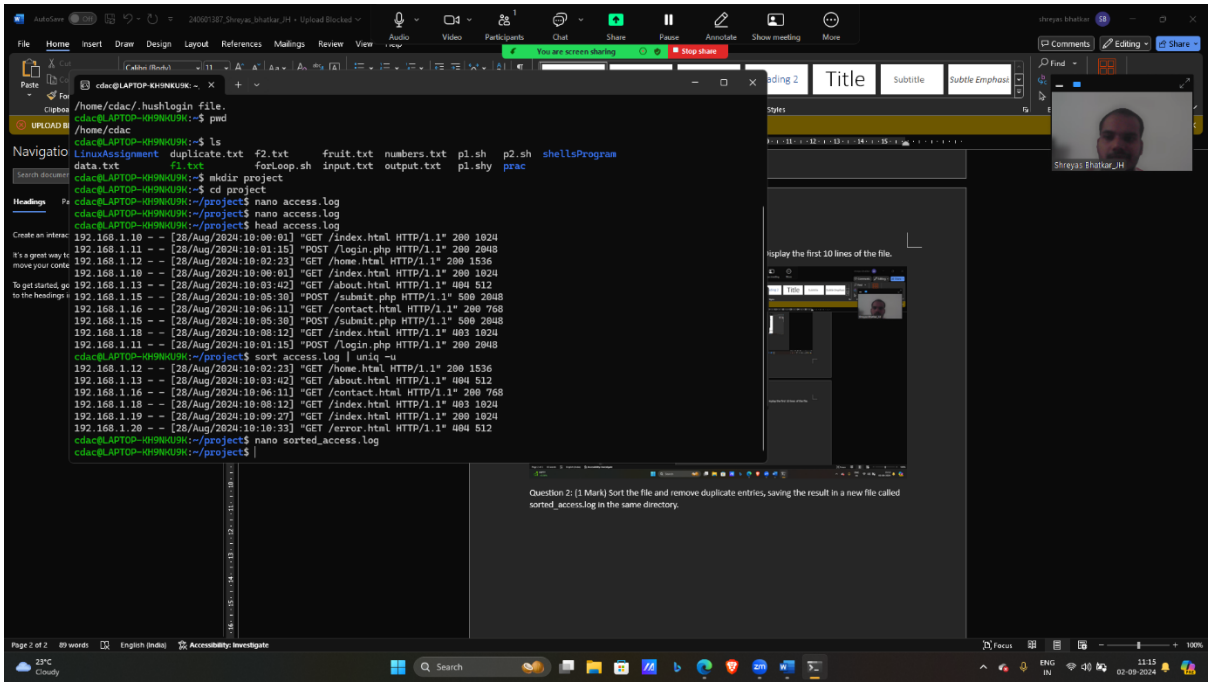


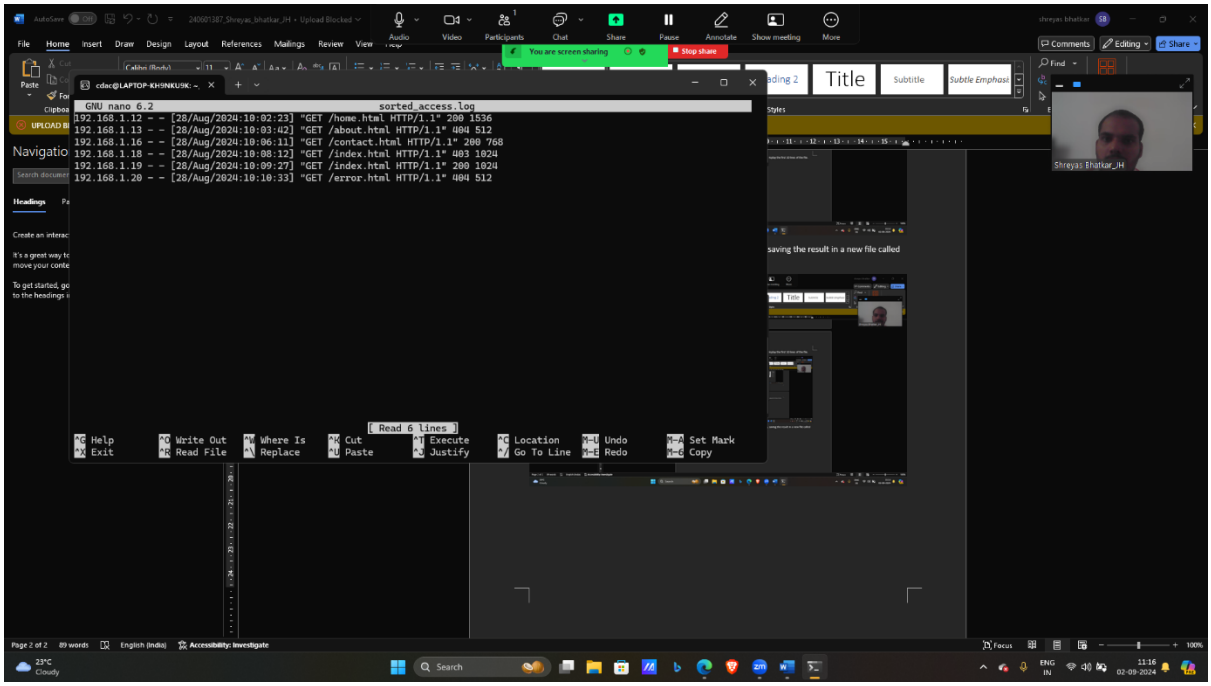


Question 1: (1 Mark) Inspect the content of the access.log file. Display the first 10 lines of the file.



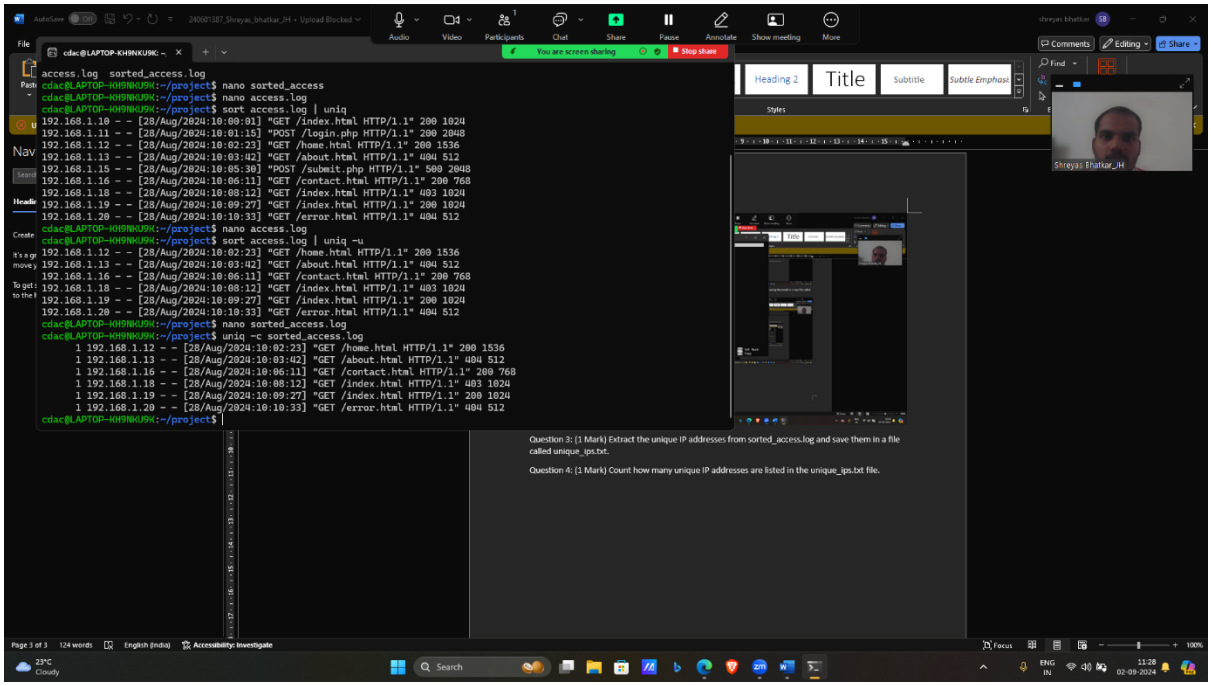
Question 2: (1 Mark) Sort the file and remove duplicate entries, saving the result in a new file called sorted_access.log in the same directory.





Question 3: (1 Mark) Extract the unique IP addresses from sorted_access.log and save them in a file called unique_ips.txt.

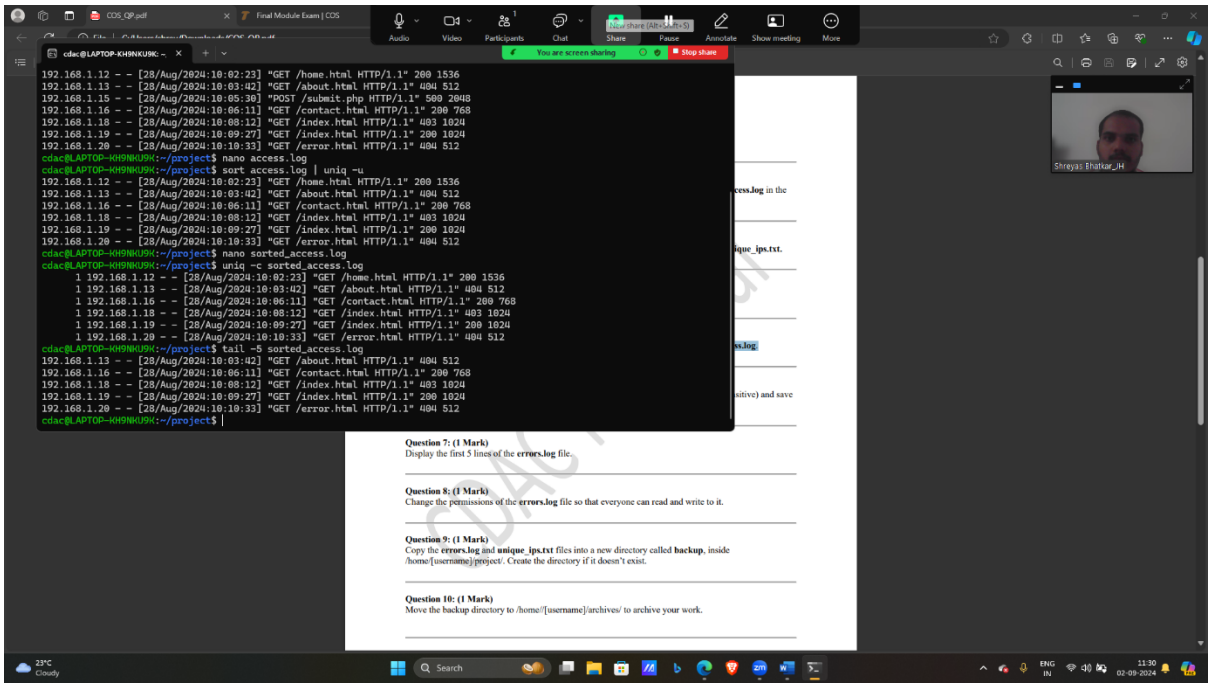
Question 4: (1 Mark) Count how many unique IP addresses are listed in the unique_ips.txt file.



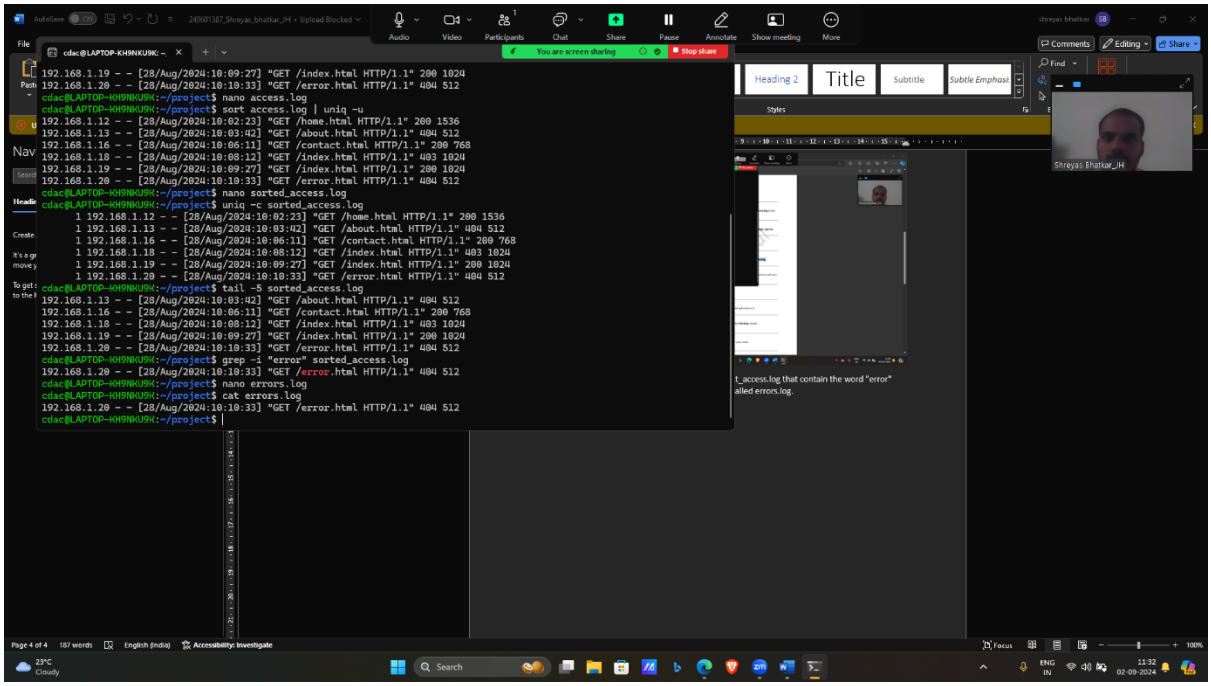
Explanation :

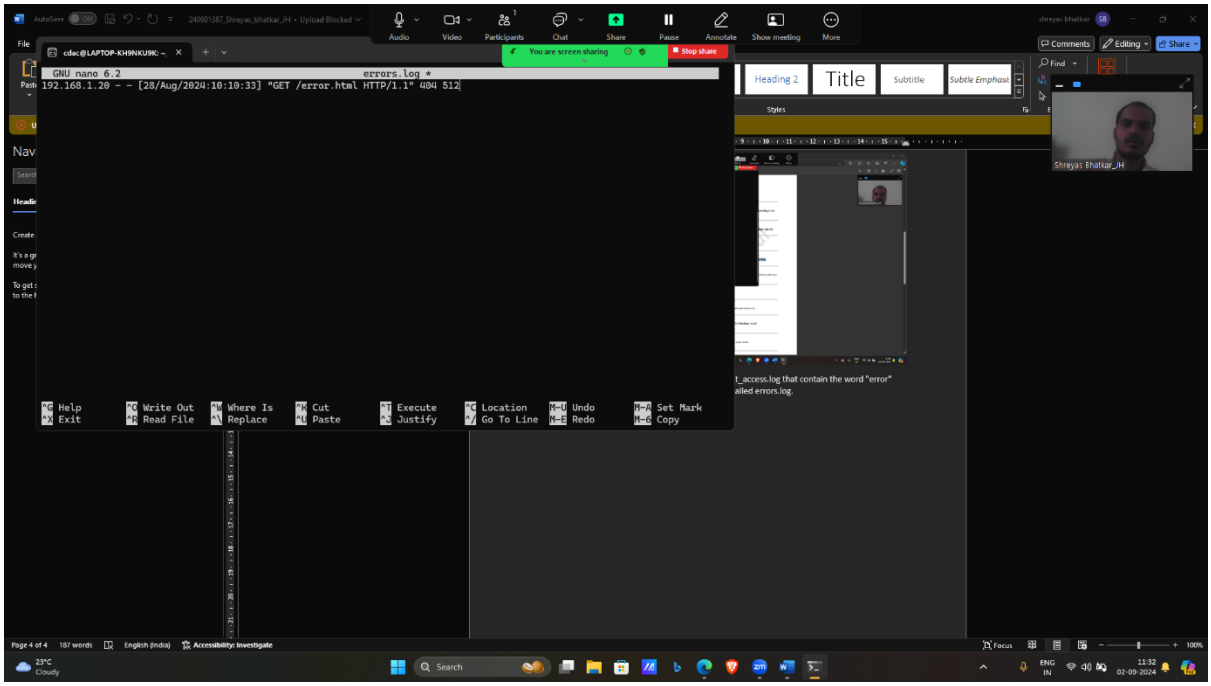
I was unable to solve Q3 therefore I choose to go with sorted_access.log to count unique ips

Question 5: (1 Mark) Extract the last 5 lines from sorted_access.log and save them to a file called recent_access.log.

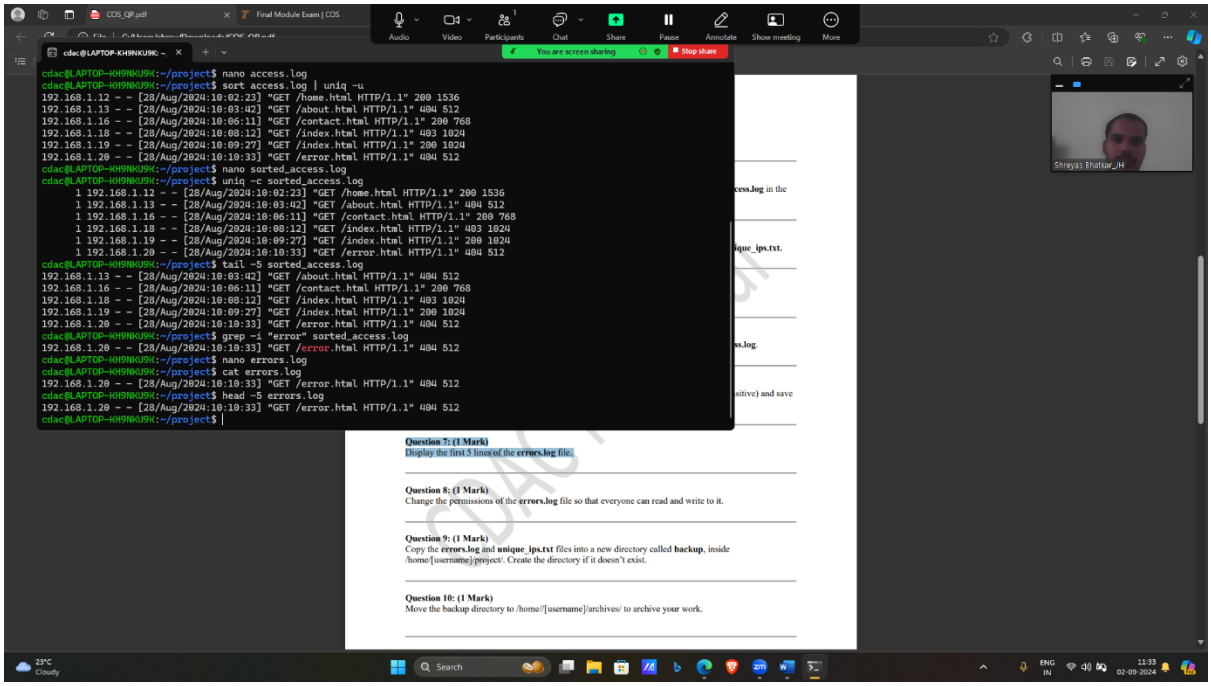


Question 6: (1 Mark) Search for any log entries in recent_access.log that contain the word "error" (case-insensitive) and save the matching lines to a file called errors.log.

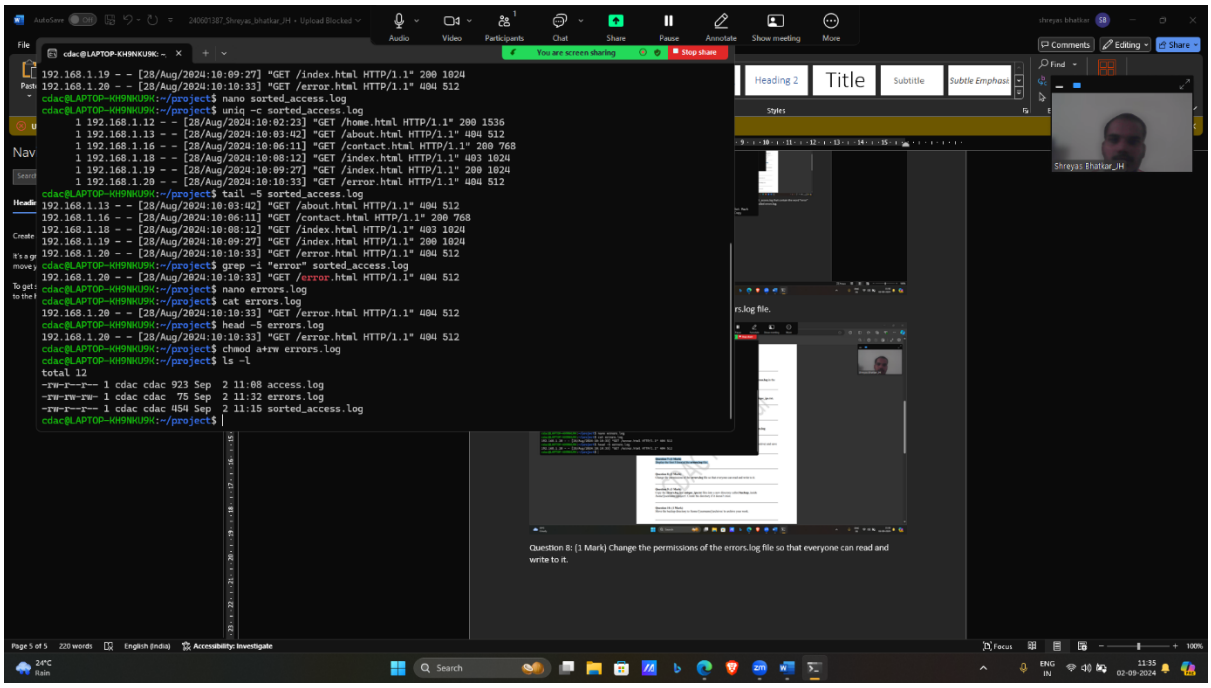




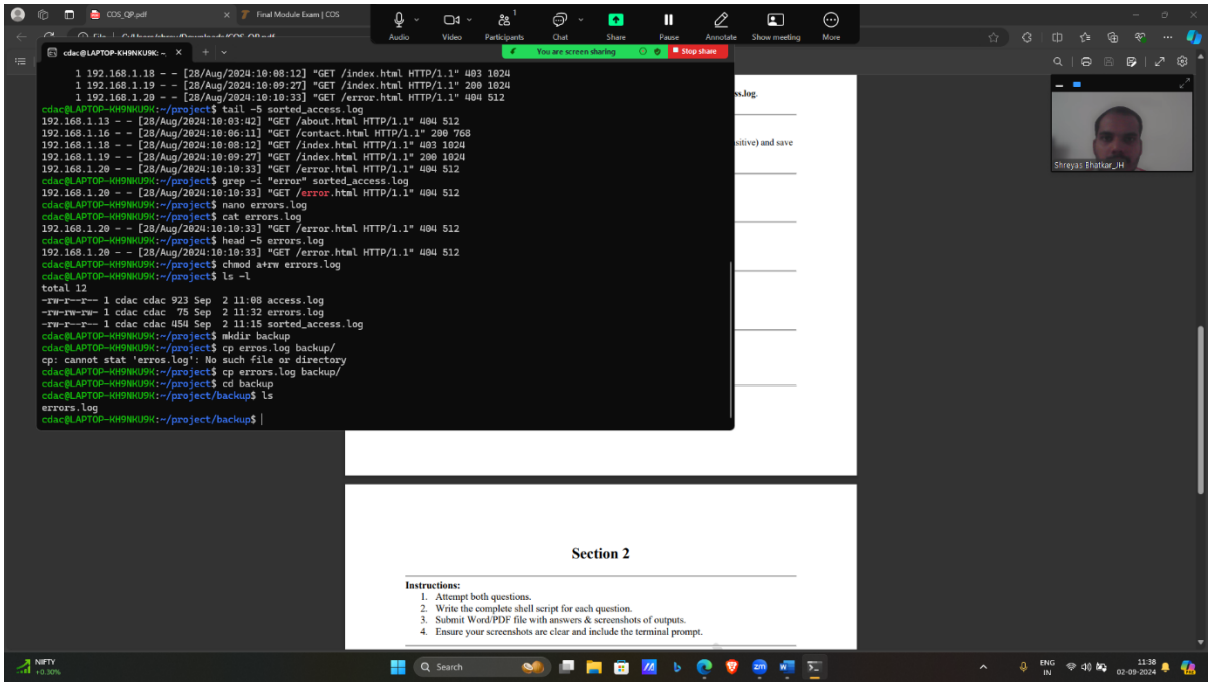
Question 7: (1 Mark) Display the first 5 lines of the errors.log file.



Question 8: (1 Mark) Change the permissions of the errors.log file so that everyone can read and write to it.



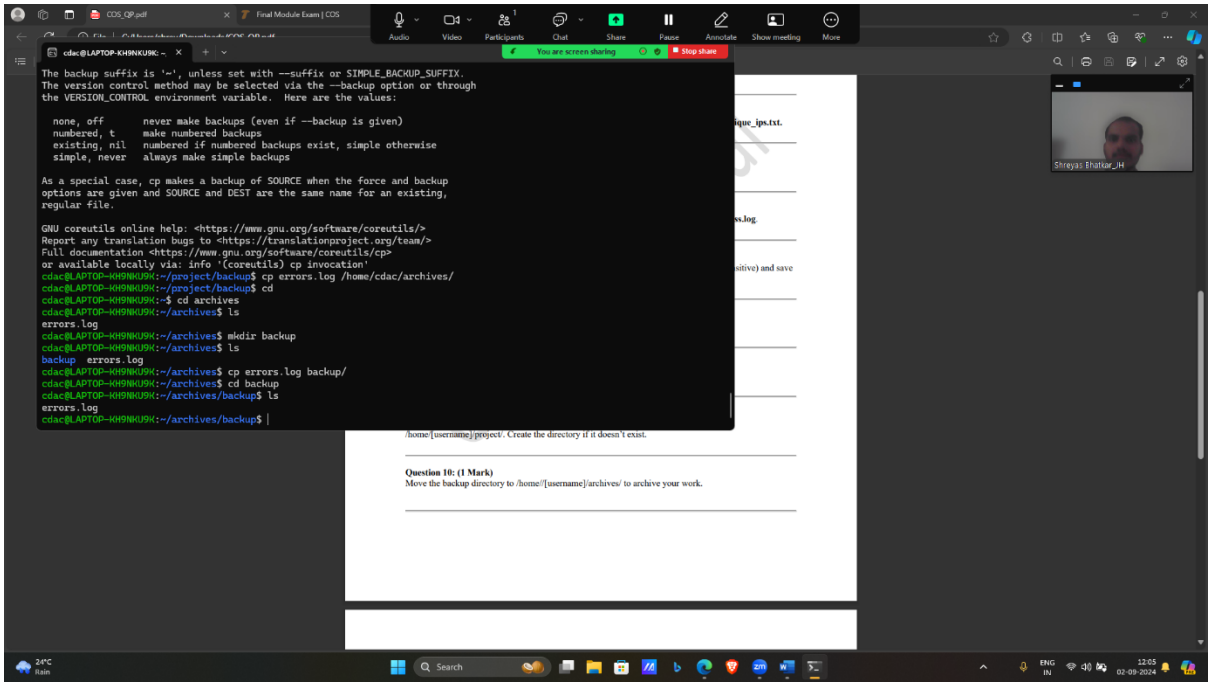
Question 9: (1 Mark) Copy the errors.log and unique_ips.txt files into a new directory called backup, inside /home/[username]/project/. Create the directory if it doesn't exist.



Explanation :

I was unable to solve Q3 therefore I have only moved errors.log file in backup directory

Question 10: (1 Mark) Move the backup directory to /home//[username]/archives/ to archive your work.



Explanation :

I had manually made archives and backup files using mkdir

Then I had copied errors.log only I was unable to solve Q3 using cp command

To /home/cdac/archives/backup/

Question 1: Integer Addition and Even/Odd Determination (5 Marks)

Write a shell script that performs the following tasks:

1. Prompt the user to enter two integers.

2. Compute the sum of these two integers.

3. Check if the computed sum is even or odd.

4. Output the result of the addition and indicate whether the sum is "Even" or "Odd."

Input (Command Line):

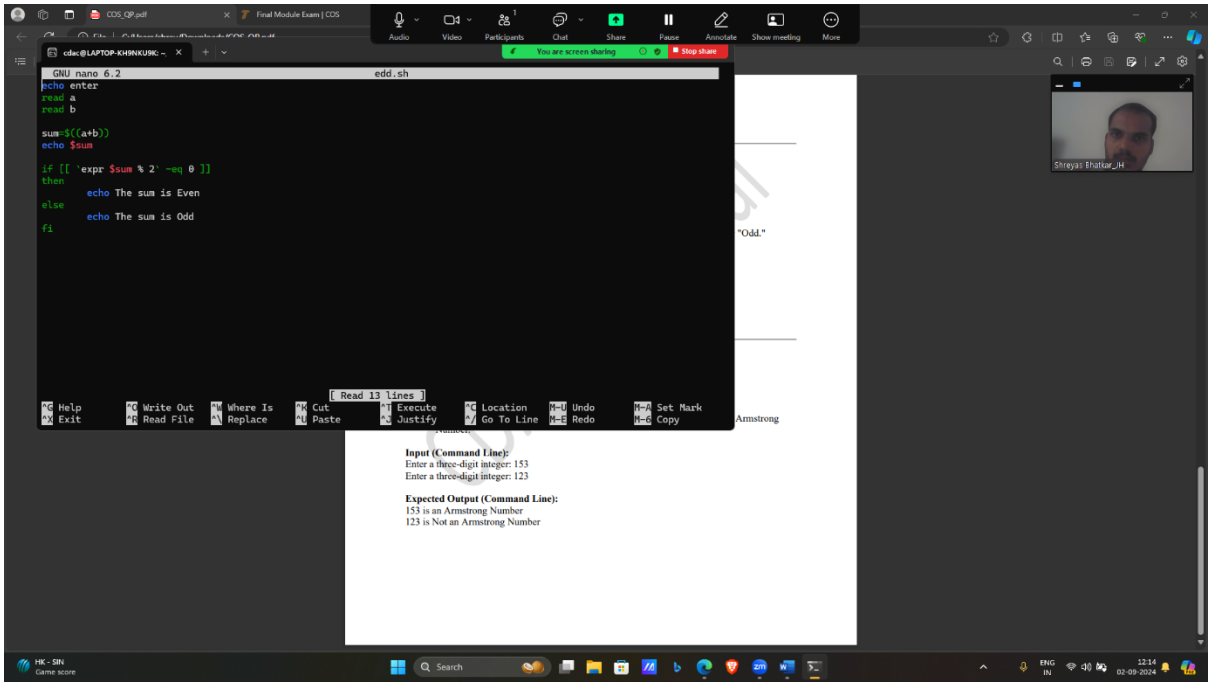
Enter first integer: 7

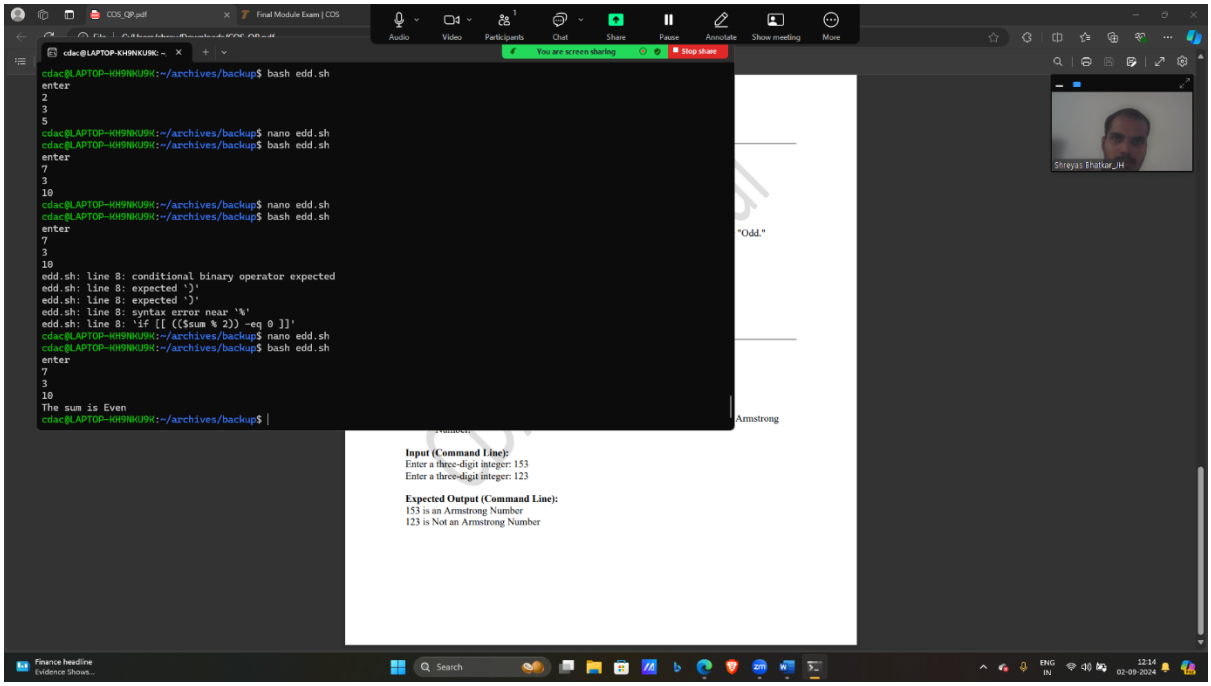
Enter second integer: 3

Expected Output (Command Line):

 Sum: 10

 The sum is Even




COS_QP.pdf
Final Module Exam | COS
Audio
Video
Participants
Chat
Share
Pause
Annotate
Show meeting
More
You are screen sharing
Stop share
cdac@LAPTOP-KH9NKU9K: ~
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ bash edd.sh
enter
2
3
5
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ nano edd.sh
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ bash edd.sh
enter
7
3
10
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ nano edd.sh
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ bash edd.sh
enter
7
3
10
edd.sh: line 8: conditional binary operator expected
edd.sh: line 8: expected `)'
edd.sh: line 8: expected `)'
edd.sh: line 8: syntax error near `%'
edd.sh: line 8: `if [[(($sum % 2)) -eq 0]]'
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ nano edd.sh
cdac@LAPTOP-KH9NKU9K:~/archives/backup$ bash edd.sh
enter
7
3
10
The sum is Even
cdac@LAPTOP-KH9NKU9K:~/archives/backup$
"Odd."
Armstrong
Input (Command Line):
Enter a three-digit integer: 153
Enter a three-digit integer: 123
Expected Output (Command Line):
153 is an Armstrong Number
123 is Not an Armstrong Number
Shreyas Bhatkar_IH
Finance headline
Evidence Shows...
Search
ENG
IN
12:14
02-09-2024