**Lab Assignment 1**

**Name- Chaitanyaa Deokar**

**SY CS-B Batch-1**

**PRN-12311204**

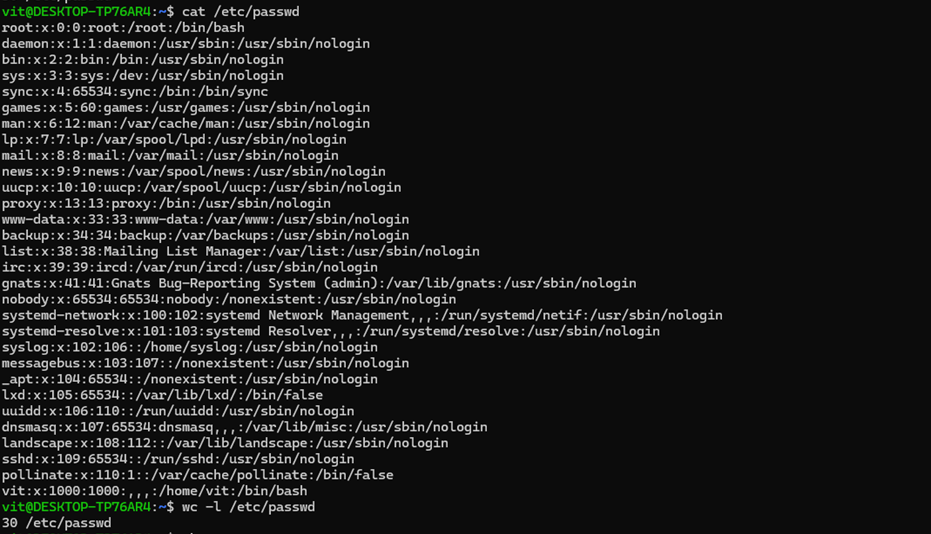
**Roll No.- 09**

1. Display Calander of year 2025****

**2. Display the system’s date.**

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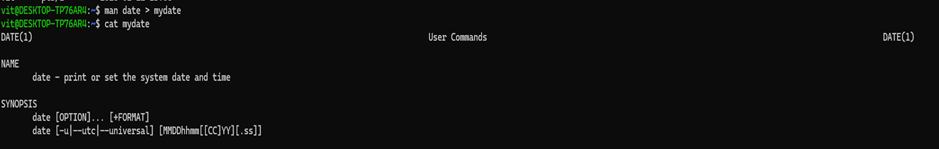
**3. Count the number of lines in the /etc/passwd file.**

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**4. Find out who else is on the system.**

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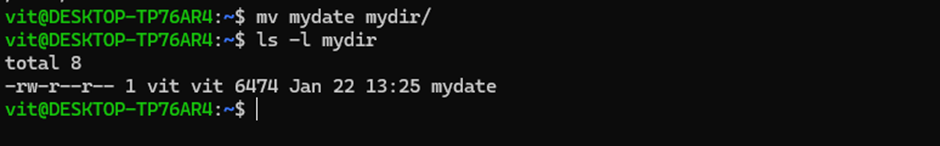
**5. Direct the output of the man pages for the date command to a file named mydate.**

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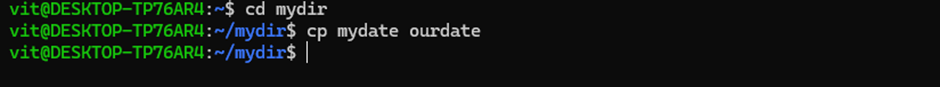
**6. Create a subdirectory called mydir.**

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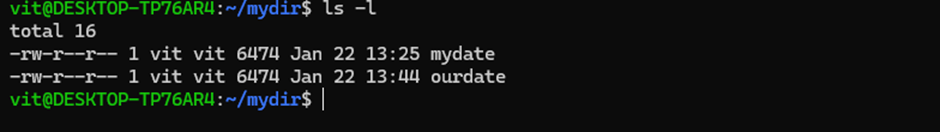
**7. Move the file mydate into the new subdirectory.**

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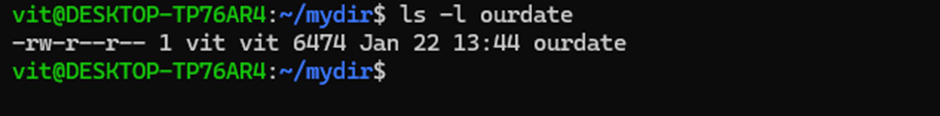
**8. Go to the subdirectory mydir and copy the file mydate to a new file called ourdate.**

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**9. List the contents of mydir.**

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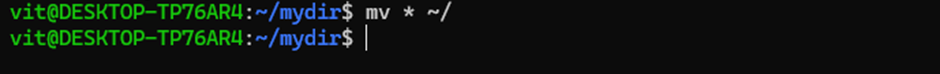
**10. Do a long listing on the file ourdate and note the permissions.**

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**11. Display the name of the current directory starting from the root.**

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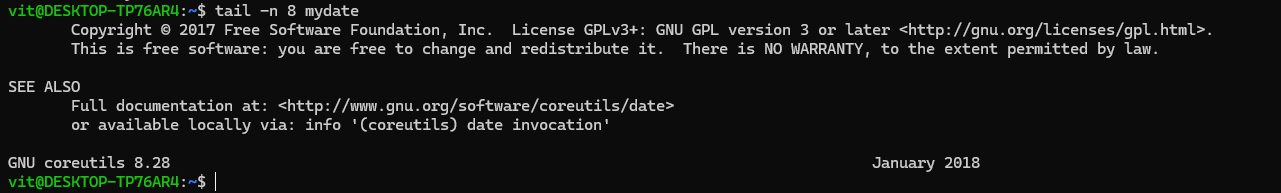
**12. Move the files in the directory mydir back to your home directory.**

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**13. Display the first 5 lines of mydate.**

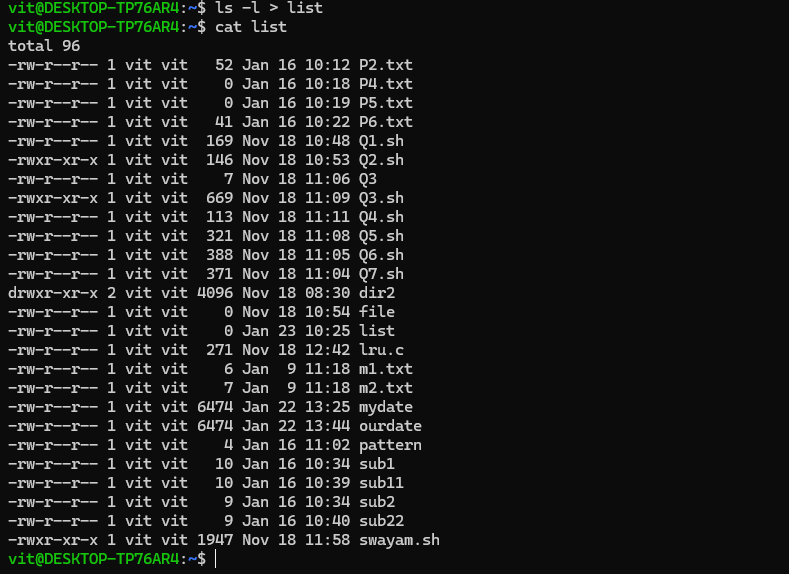
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**14. Display the last 8 lines of mydate.**

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**15. Remove the directory mydir.**

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**16. Redirect the output of the long listing of files to a file named list.**

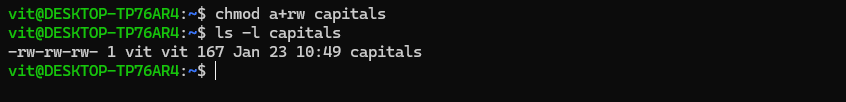
**17. Select any 5 capitals of states in India and enter them in a file named capitals1. Choose 5 more capitals and enter them in a file named capitals2. Choose 5 more capitals and enter them in a file named capitals3. Concatenate all 3 files and redirect the output to a file named capitals.**

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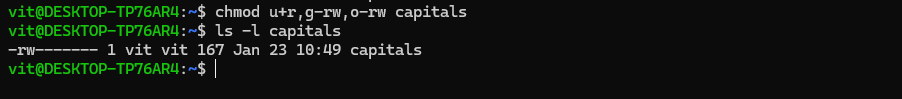
**18. Concatenate the file capitals2 at the end of file capitals.**

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**19. Give read and write permissions to all users for the file capitals.**

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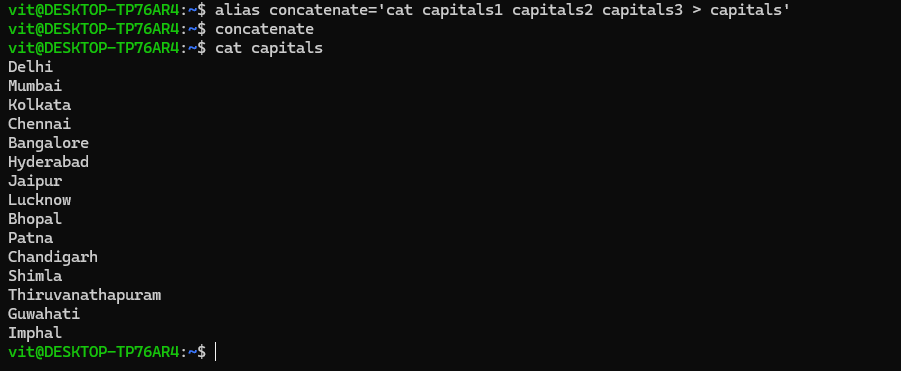
**20. Give read permissions only to the owner of the file capitals. Open the file, make some changes and try to save it. What happens ?**

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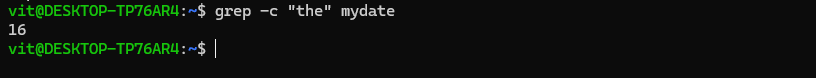
What happens:

1. As the owner, you'll be able to open, edit, and save the file.
2. Non-owners can only read the file but can't modify or save it because they don't have write permissions.

**21. Create an alias to concatenate the 3 files capitals1, capitals2, capitals3 and redirect the output to a file named capitals. Activate the alias and make it run.**

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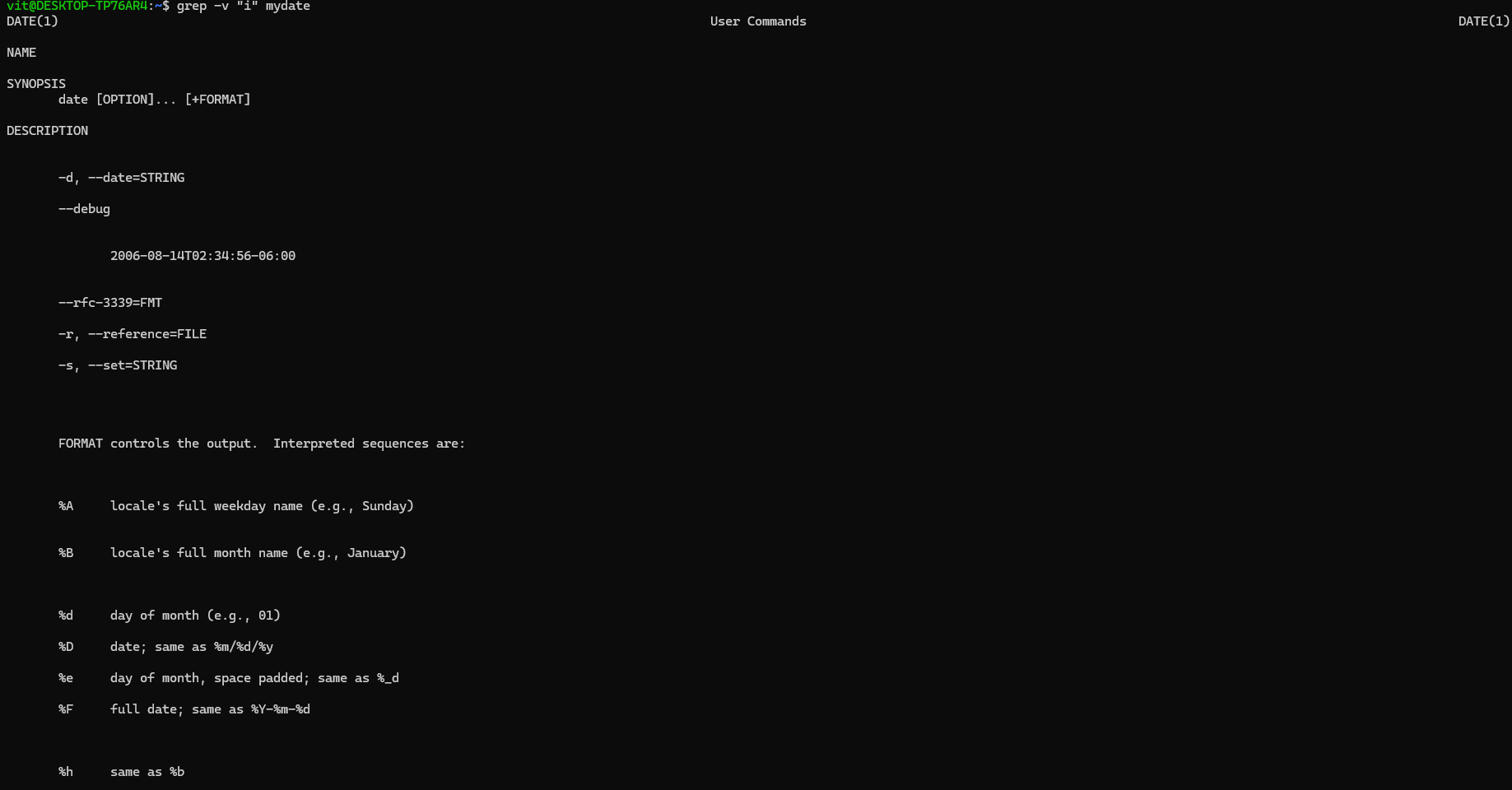
**22. Find out the number of times the string “the” appears in the file mydate.**

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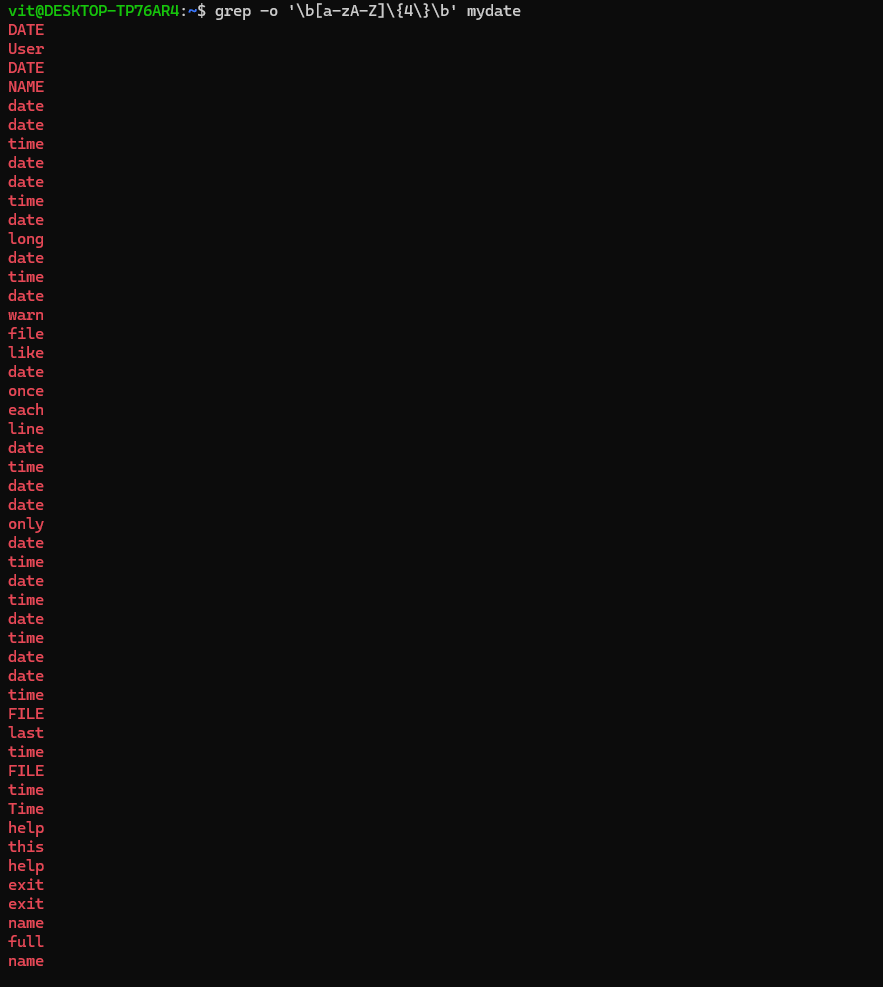
**23. Find out the line numbers on which the string “date” exists in mydate.**

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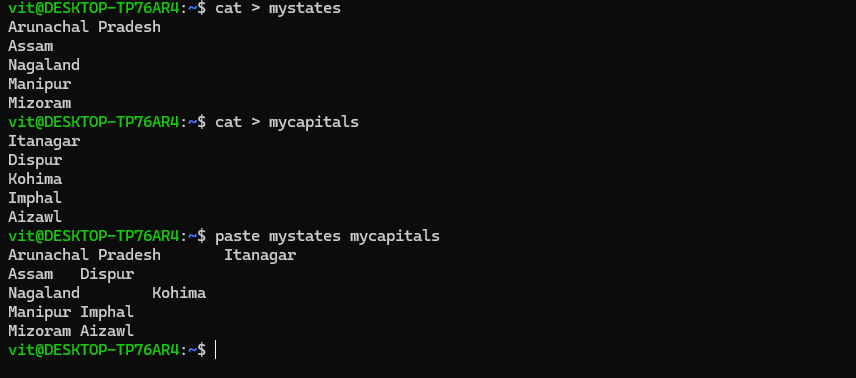
**24. Print all lines of mydate except those that have the letter “i” in them.**

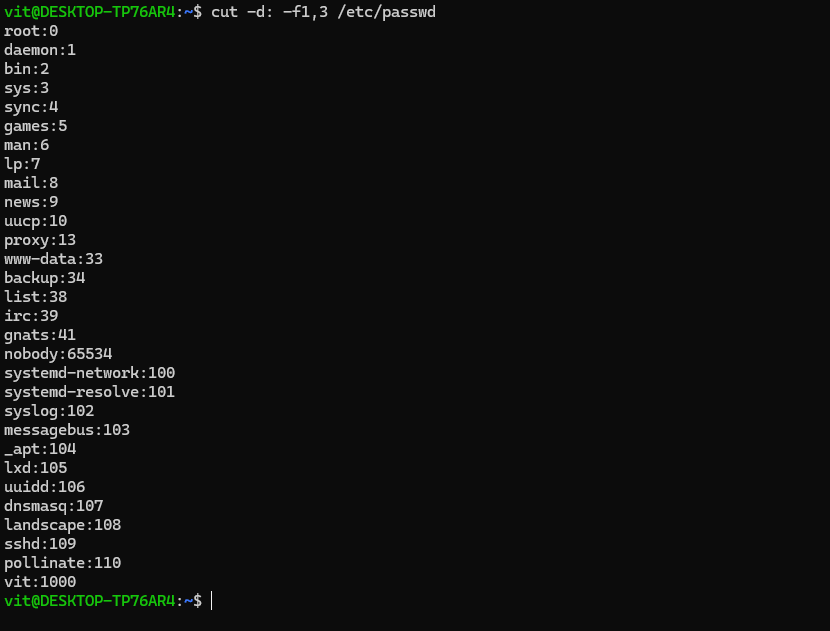
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**25. List the words of 4 letters from the file mydate.**

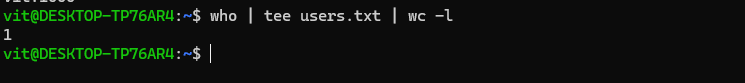
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**26. List 5 states in north east India in a file mystates. List their corresponding capitals in a file mycapitals. Use the paste command to join the 2 files.**

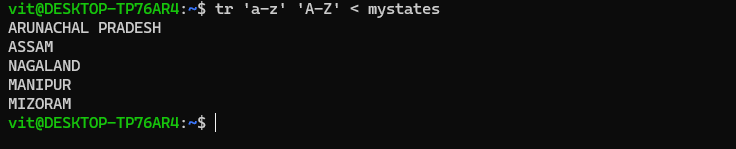
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**27. Use the cut command to print the 1 st and 3 rd columns of the /etc/passwd file for all students in this class.**

**28. Count the number of people logged in and also trap the users in a file using the tee command.**

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**29. Convert the contents of mystates into uppercase.**

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**30. Create any two files & display the common values between them.**

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