**Lab Assignment 1**

**Name: Isha Satish Dashetwar**

**Div: SY CSA**

**Batch: B1**

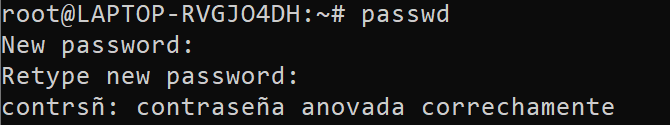
**Roll No.: 59**

**PRN: 12111071**

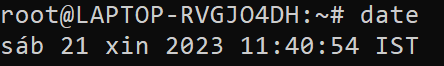
**Assignment name: Unix commands problems**

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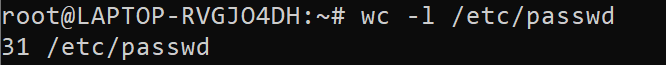
1. **Change your password to a password you would like to use for the remainder of the semester.**

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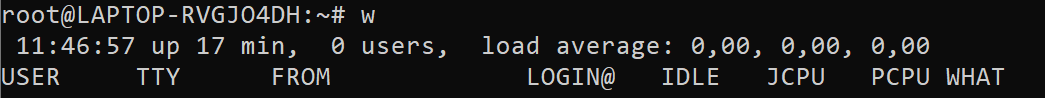
1. **Display the system’s date.**

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

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

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

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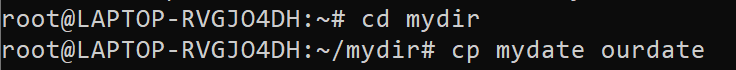
1. **Create a subdirectory called mydir.**

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

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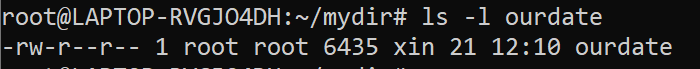
1. **Go to the subdirectory mydir and copy the file mydate to a new file called Ourdate.**

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1. **List the contents of mydir.**

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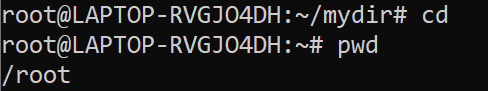
1. **Do a long listing on the file ourdate and note the permissions.**

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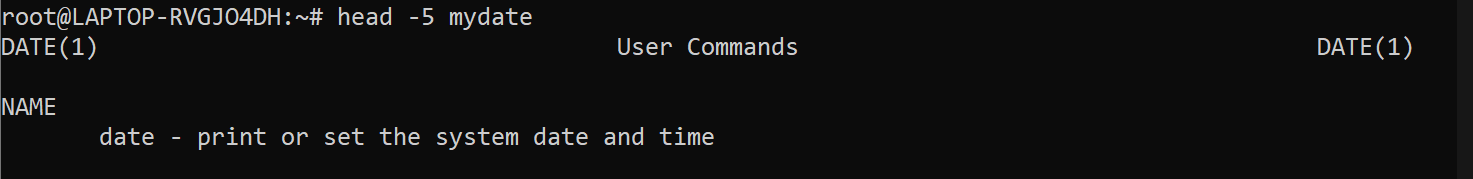
1. **Display the name of the current directory starting from the root.**

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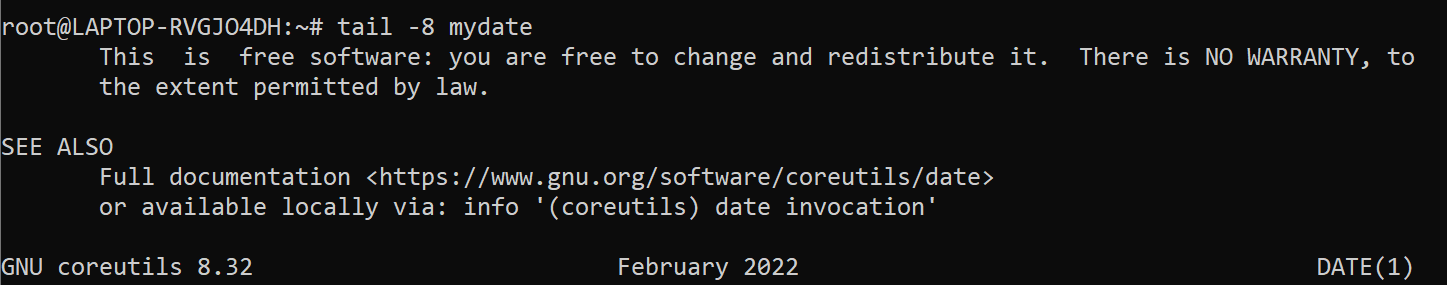
1. **Move the files in the directory mydir back to your home directory.**

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

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

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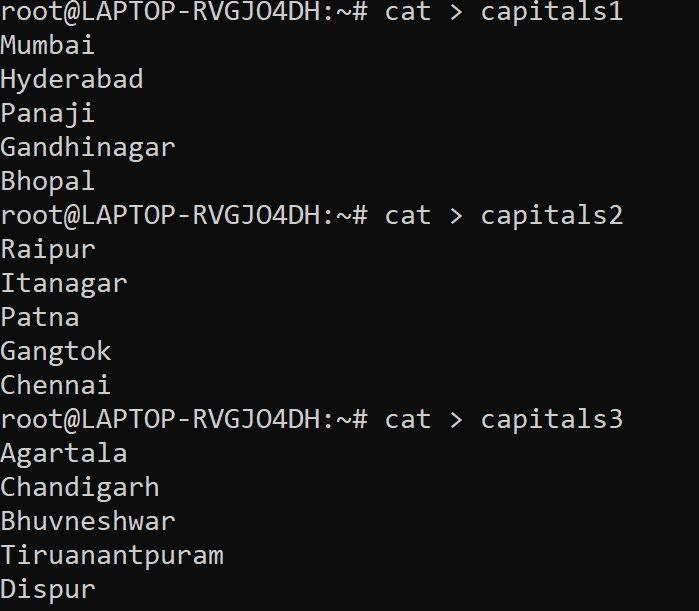
1. **Remove the directory mydir.**

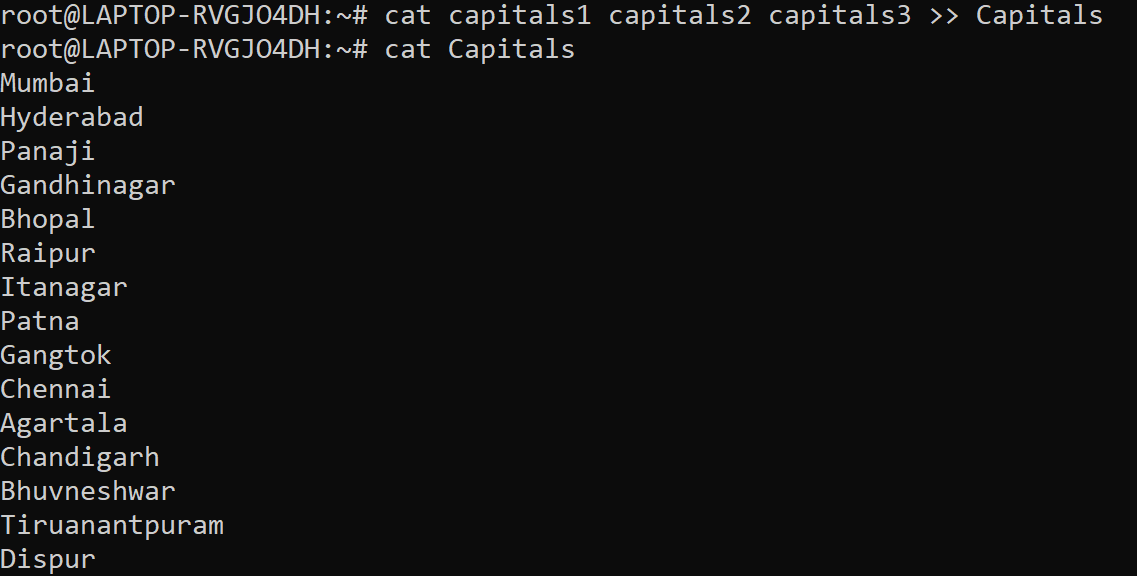
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1. **Redirect the output of the long listing of files to a file named list.**

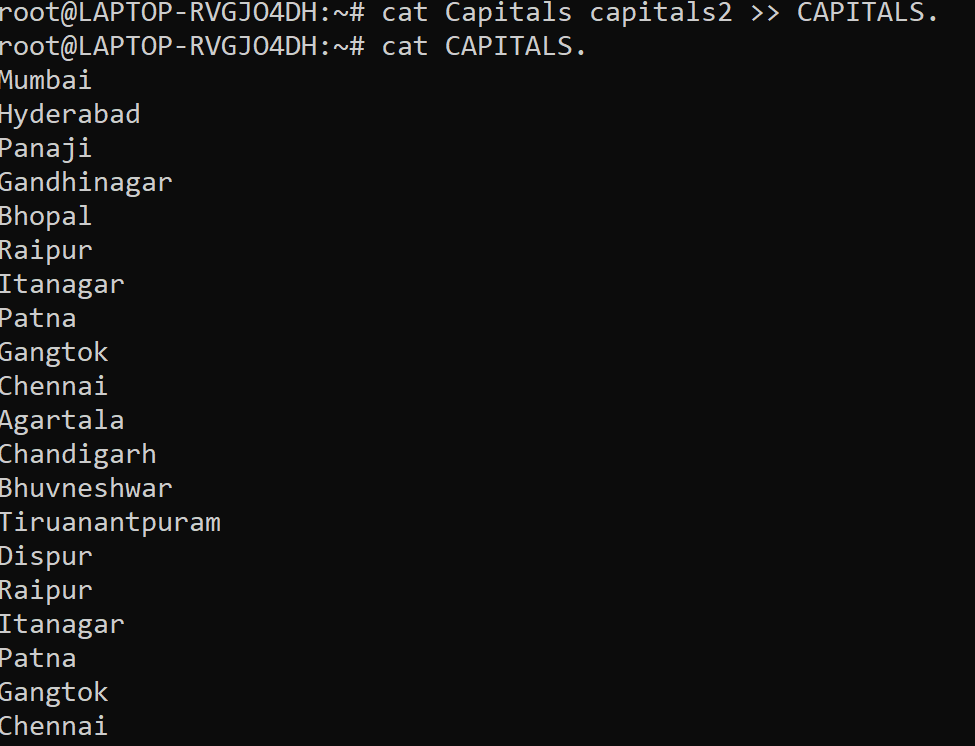
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1. **Select any 5 capitals of states in India and enter them in a file named capitals1. Choose 5 more capitals and enter them in a file named capitals2. Choose 5 more capitals and enter them in a file named capitals3. Concatenate all 3 files and redirect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

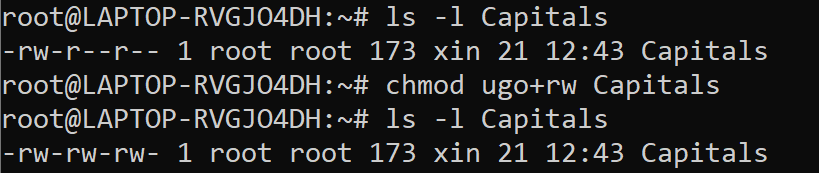
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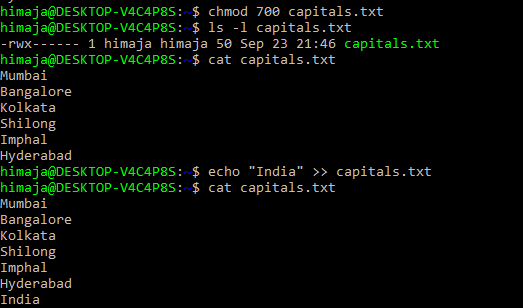
1. **Concatenate the file capitals2 at the end of file capitals.**

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

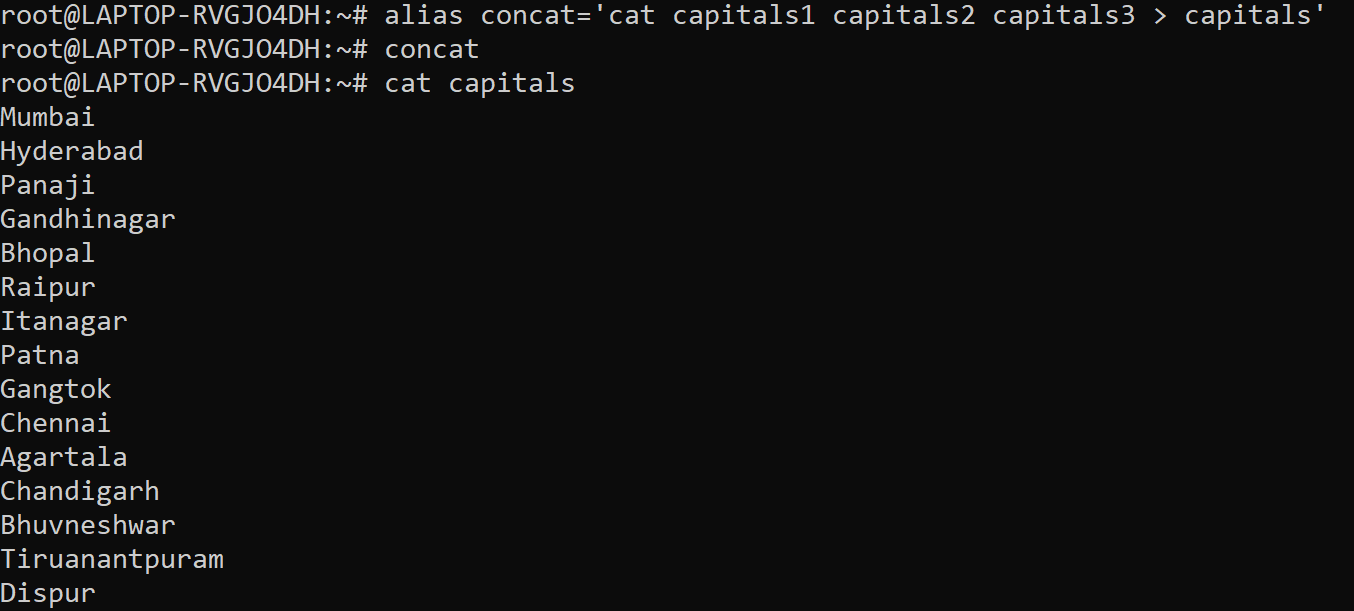
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1. **Give read permissions only to the owner of the file capitals. Open the file, make some changes and try to save it. What happens?**



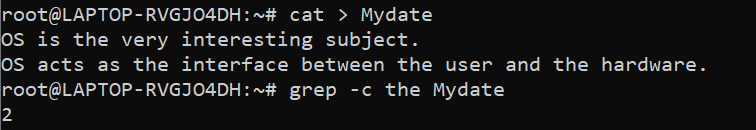
When we try to add new element in the capitals.txt file, it allows us to add the element without giving any error message.

1. **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.**

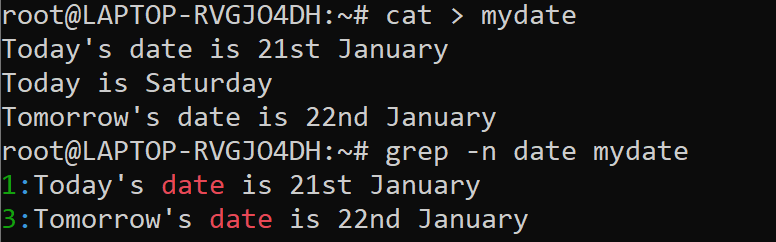


1. **Find out the number of times the string “the” appears in the file**

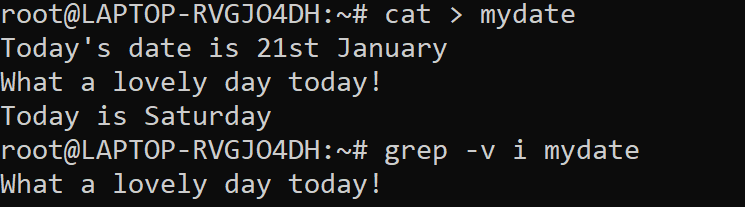
**Mydate.**

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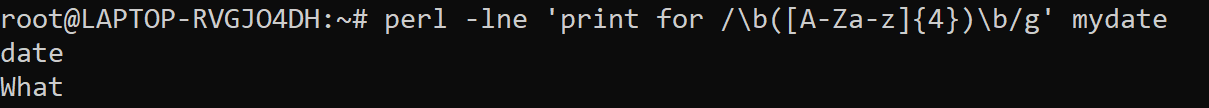
**23. Find out the line numbers on which the string “date” exists in mydate.**

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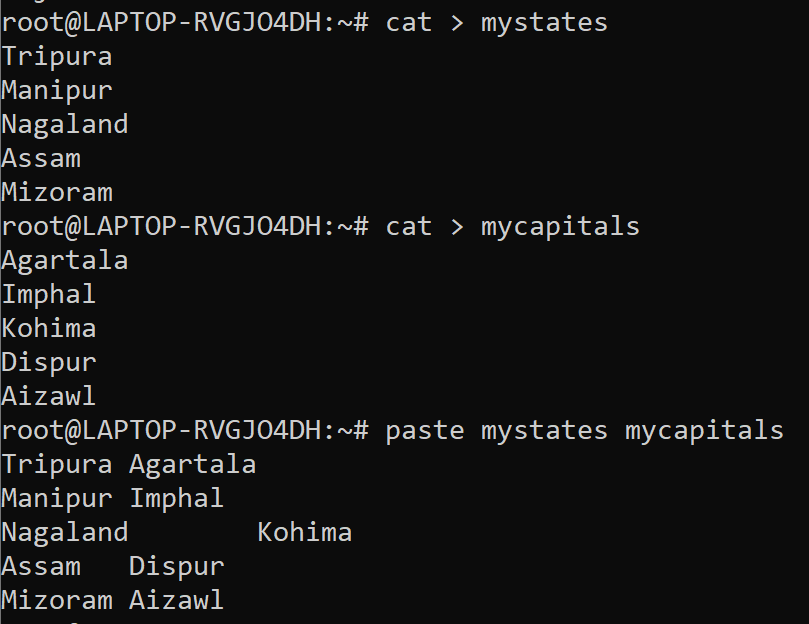
**24. Print all lines of mydate except those that have the letter “i” in them.**

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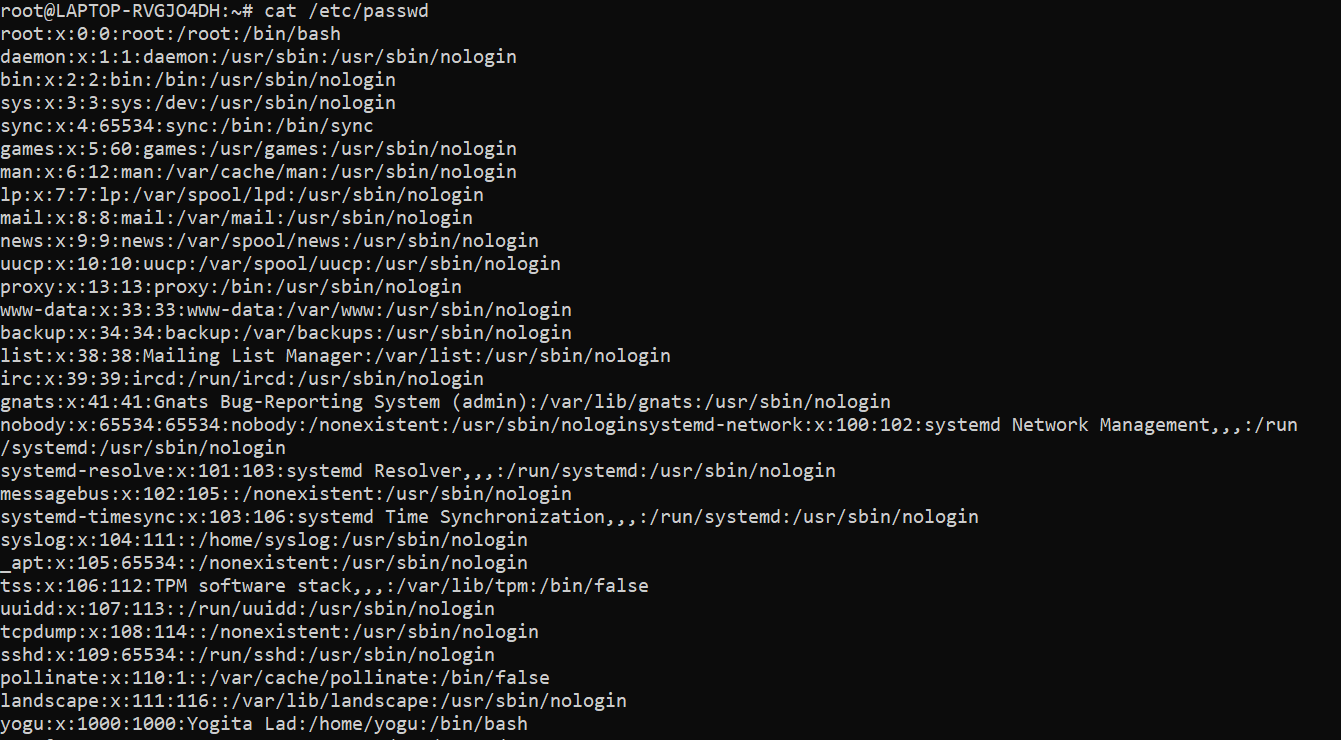
**25. List the words of 4 letters from the file mydate.**

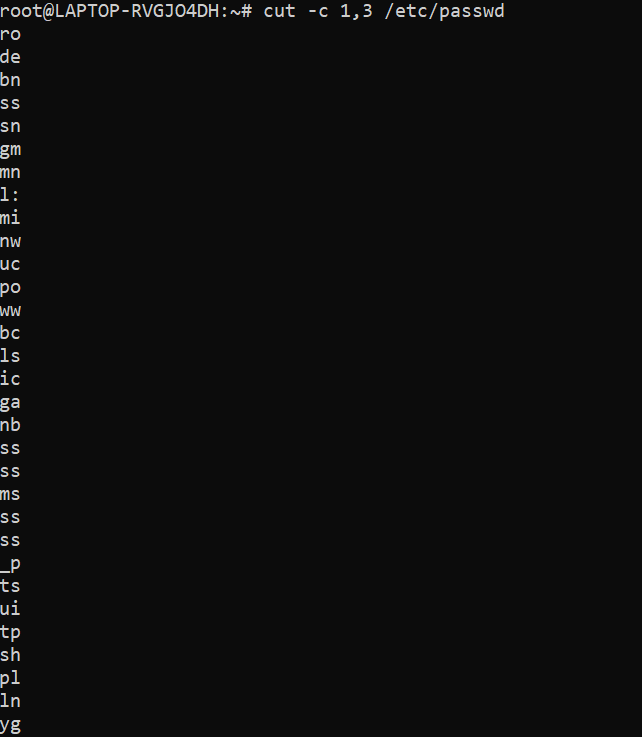
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**26. List 5 states in north east India in a file mystates. List their corresponding capitals in a file mycapitals. Use the paste command to join the 2 files.**

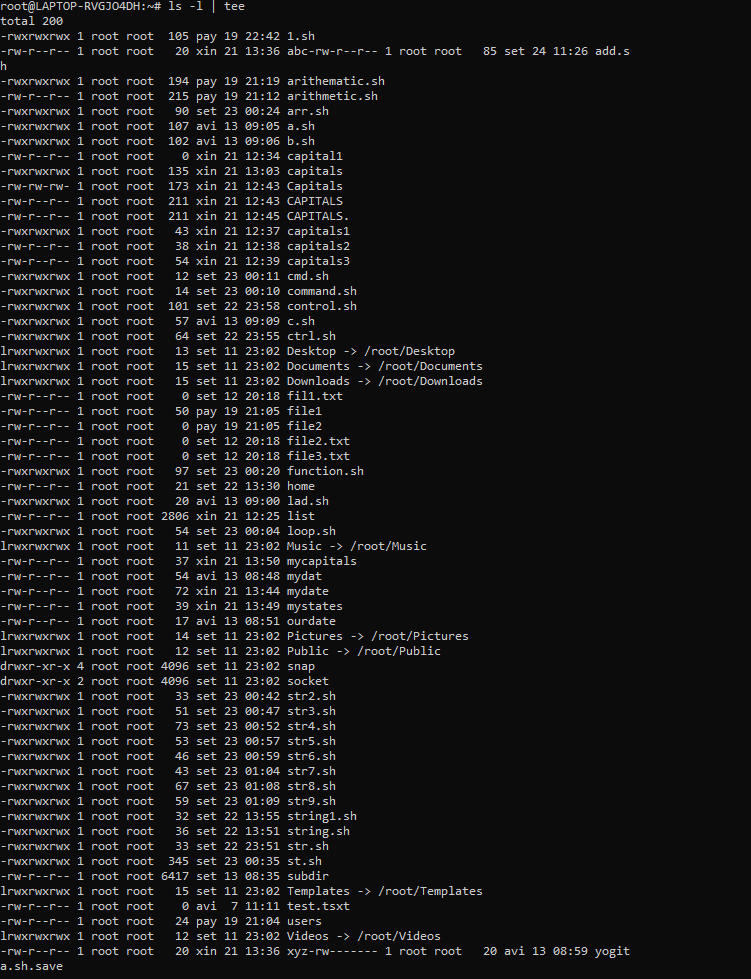
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**27. Use the cut command to print the 1 st and 3 rd columns of the /etc/passwd file for all students in this class.**

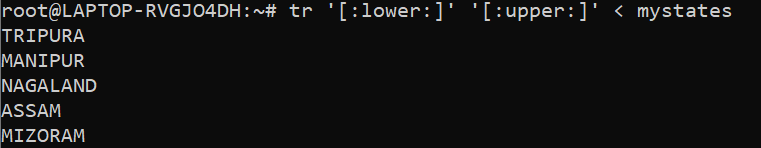
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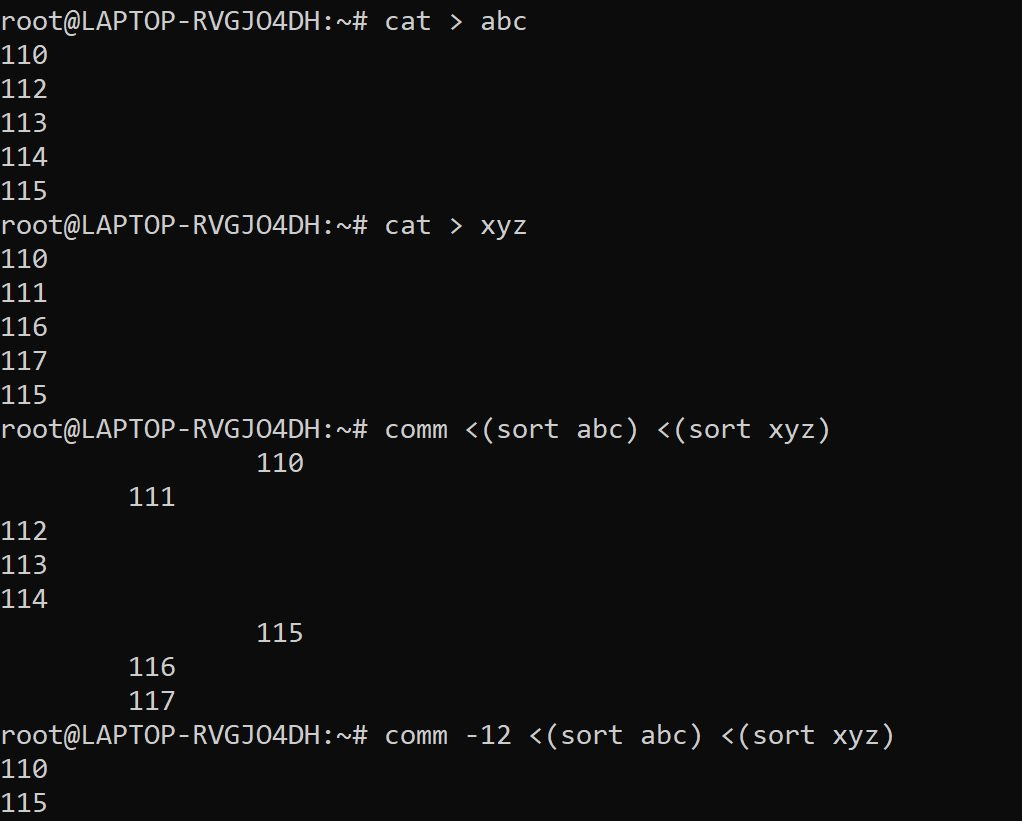
**28. Count the number of people logged in and also trap the users in a file using the tee command.**

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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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