* To change password: **passwd**
* To display system's date: **date**
* To count the number of lines in /etc/passwd file: **wc -l /etc/passwd**
* To find out who else is on the system: **who**
* To direct the output of man pages for the date command to a file named mydate: **man date > mydate**
* To create a subdirectory called mydir: **mkdir mydir**
* To move the file mydate into the new subdirectory: **mv mydate mydir/**
* To copy the file mydate to a new file called ourdate: **cp mydir/mydate mydir/ourdate**
* To list the contents of mydir: **ls mydir**
* To do a long listing on the file ourdate and note the permissions: **ls -l mydir/ourdate**
* To display the name of the current directory starting from the root: **pwd**
* To move the files in the directory mydir back to your home directory: **mv mydir/\* ~**
* To display the first 5 lines of mydate: **head -5 mydate**
* To display the last 8 lines of mydate: **tail -8 mydate**
* To remove the directory mydir: **rm -r mydir**
* To redirect the output of the long listing of files to a file named list: **ls -l > list**
* To 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: **cat capitals1 capitals2 capitals3 > capitals**
* To concatenate the file capitals2 at the end of file capitals: **cat capitals2 >> capitals**
* To give read and write permissions to all users for the file capitals: **chmod a+rw capitals**
* To give read permissions only to the owner of the file capitals. Open the file, make some changes and try to save it. What happens ? **chmod u+r capitals**
* nano capitals

When trying to save, the editor will show an error indicating that it is unable to save the file since write permission is not granted for the owner.

* To create an alias to concatenate the 3 files capitals1, capitals2, capitals3 and redirect the output to a file named capitals: **alias mycat='cat capitals1 capitals2 capitals3 > capitals'**
* To find out the number of times the string “the” appears in the file mydate: **grep -o 'the' mydate | wc -l**
* To find out the line numbers on which the string “date” exists in mydate: **grep -n 'date' mydate**
* To print all lines of mydate except those that have the letter “i” in them: **grep -v 'i' mydate**
* To list the words of 4 letters from the file mydate: **grep -o -w '[[:alpha:]]\{4\}' mydate**
* To 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:
* swift
* Copy code
* echo -e "State1\nState2\nState3\nState4\nState5" > mystates
* echo -e "Capital