cse15I-lab-reports

Interesting Options with less

What is less?

less is a command used to display the contents of file or command output, page by page. It can easily help you navigate through the pages - forward and backward through the file.

Sources Used

https://www.man7.org/linux/man-pages/man1/less.1.html

https://www.howtogeek.com/444233/how-to-use-the-less-command-on-linux/

Notable Differences with Similar Commands

It has faster load times when compared to <code>vim</code> or <code>nano</code> - making it the ideal command for reading large files. It is similar to <code>more</code>, but has more commands similar to <code>vi</code> text editor, and supports horizontal scrolling, live monitoring, etc. <code>less</code> is somewhat of an improved <code>more</code>.

Syntax for using less

less [OPTIONS] filename [filename2]

Interesting Options

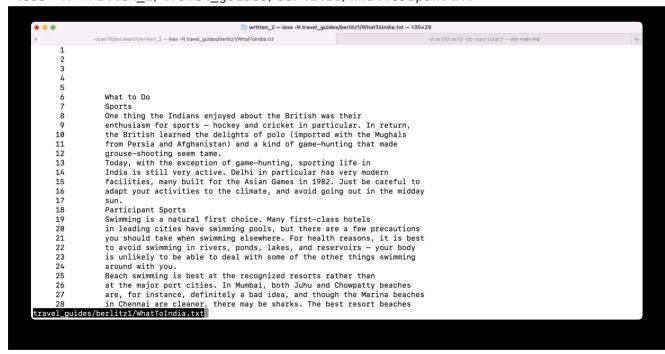
I will be demonstrating all the examples on the file: written_2/travel_guides/berlitz1/WhatToIndia.txt and WhatToJapan.txt

However, I will only include one screenshot per option (one per 2 examples), because the output of less is a new window, and each option behaves similarly regardless of the file.

For reference, running less written_2/travel_guides/berlitz1/WhatToIndia.txt opens the following window.

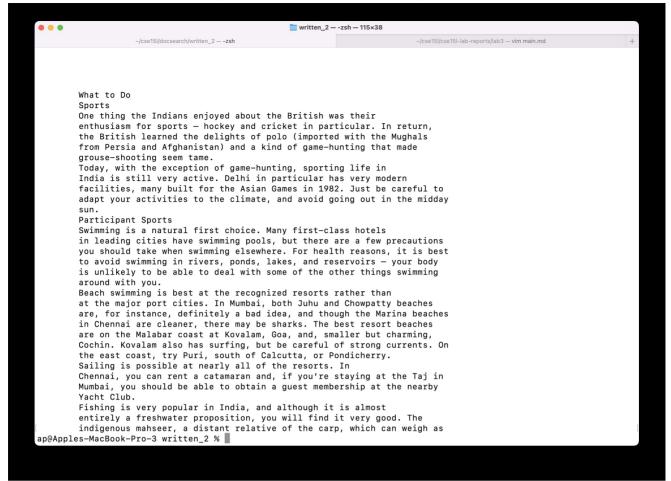
```
What to Do
                      Sports
                     One thing the Indians enjoyed about the British was their enthusiasm for sports — hockey and cricket in particular. In return,
                      the British learned the delights of polo (imported with the Mughals
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                      from Persia and Afghanistan) and a kind of game-hunting that made
                     grouse-shooting seem tame.
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                      Today, with the exception of game-hunting, sporting life in
                     India is still very active. Delhi in particular has very modern facilities, many built for the Asian Games in 1982. Just be careful to
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                      adapt your activities to the climate, and avoid going out in the midday
                      sun.
                      Participant Sports
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                      Swimming is a natural first choice. Many first-class hotels
                      in leading cities have swimming pools, but there are a few precautions
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                      you should take when swimming elsewhere. For health reasons, it is best
                     to avoid swimming in rivers, ponds, lakes, and reservoirs — your body is unlikely to be able to deal with some of the other things swimming
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                      around with you.
                     Beach swimming is best at the recognized resorts rather than at the major port cities. In Mumbai, both Juhu and Chowpatty beaches are, for instance, definitely a bad idea, and though the Marina beaches
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28 in Chennai are cleaner, travel_guides/berlitz1/WhatToIndia.txt
                                                       there may be sharks. The best resort beaches
```

 -N: displays the line count for every line (as with most code editors like VSCode) for example: try running less -N written_2/travel_guides/berlitz1/WhatToIndia.txt and less -N written_2/travel_guides/berlitz1/WhatToJapan.txt



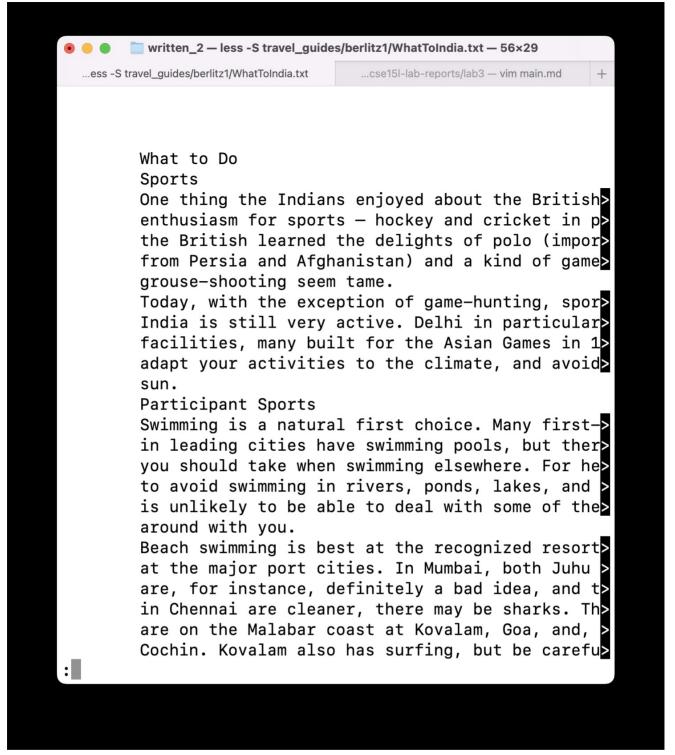
 -X: it keeps the contents of the file on the screen, until where the user has scrolled. for example: try running less -X written_2/travel_guides/berlitz1/WhatToIndia.txt and

less -X written_2/travel_guides/berlitz1/WhatToJapan.txt



-s: chops long lines longer than the width of the screen to be chopped rather than wrapped. So, you would need to use the right arrow to see what's to the right, instead of it wrapping down. This preserves the line length and structure of the file. for example: try running less -S written_2/travel_guides/berlitz1/WhatToIndia.txt and less -S

written_2/travel_guides/berlitz1/WhatToJapan.txt



• +G: opens at the end of the file instead of the beginning. In general, + as a modifier runs the following command in less while opening. for example: try running less +G written_2/travel_guides/berlitz1/WhatToIndia.txt and less +G

written_2/travel_guides/berlitz2/WhatToJapan.txt

