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| --- | --- |
| Create a directory: | mkdir dir |
| Create nested directories: | mkdir -p dir1/dir2 |
| Changing directories: | cd newdir |
|  | cd .. (parent directory) |
|  | cd - (previous directory) |
|  | cd (home directory) |
|  | cd ~bill (home directory of user bill) |
| Print the working (current) directory: | pwd |
| Copy a file to another: | cp source\_file dest\_file |
| Copy files to a directory: | cp file1 file2 dir |
| Copy directories recursively: | cp -r source\_dir dest\_dir |
|  | rsync -a source\_dir/ dest\_dir/ |
| Create a symbolic link: | ln -s linked\_file link |
| Rename a file, link or directory: | mv source\_file dest\_file |
| Remove files or links: | rm file1 file2 |
| Remove empty directories: | rmdir dir |
| Remove non-empty directories: | rm -rf dir |

***Handling files and directories***

***Listing files***

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| --- | --- |
| Display a long listing: | ls -l |
| List all the files in the current directory,  including “hidden” ones (starting with .): | ls -a |
| List by time (most recent files first): | ls -t |
| List by size (biggest files first) | ls -S |
| List with a reverse sort order: | ls -r |
| Long list with most recent files last: | ls -ltr |

***Displaying file contents***

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| --- | --- | --- |
| Concatenate and display file contents: | | cat file1 file2 |
| Display the contents of several files (stopping at each page): | | more file1 file2 |
| less file1 file2 (better: extra features) Display the first 10 lines of a file: | | head -10 file |
| Display the last 10 lines of a file: | | tail -10 file |
| touch “give ur file name” – creates file in that dir | |  |
|  |
|  |