

1. A directory is a folder that contains files, while files contain information, can be executable, etc.
2. A zip file is a compressed folder/directory. You can create one by using 7zip by right clicking or using windows' own built in compressor, by right clicking a folder and clicking "Send to..." and then "Compressed (zipped) Folder."
3. ls lists the contents of a directory. It is useful for seeing all the folders and files in a directory. The -a flag shows all including hidden. -l uses long list format. -la does both at the same time.
4. mkdir creates a directory. It can also create several parent directories to get to a child directory using the -p flag
5. The -r flag causes the command it is applied to to run recursively on all folders in the parent, all the way to the base of the filesystem.
6. Redirection allows you to change the standard in/out for a program in linux. In most cases, it is used to print output of a command to a file. It can also be used to pass large amounts of information in to a command, such as sort.
7. Sort is useful for sorting things. By default, it sorts by the contents ASCII values. Cat prints the contents of a file such as a text file or a cpp file.
8. g++ is used to compile cpp files.
9. pwd prints the working directory. Find searches for a file by a certain criterion, such as name. grep is useful for finding matching patterns. It is most commonly used in the output of some Linux commands. Vim is a text editor that has been around since the early 80s, and is extremely hard to use. Pico is like vim, but better, and much easier to use. It is very similar to nano, which is the most recently made, and was a fork of pico.
10. I don't have much, if any, trouble at all working with Linux machines, as I have my own Linux server I run and maintain from my home network. I use it to host my website, a filesharing server, and several game servers. It requires routine maintenance and so I am well versed with the Linux command line. The hardest part for me is probably remembering the hostname of the server.