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BMMB 852

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**Lecture 1:**

1. Set up your computer.
2. Follow the installation instructions.
3. How can you tell that you were successful?
   1. When you run the doctor.py program, the final prompt should echo “You are doing well, Majesty!” which is indicative that all of the software you installed is working properly
4. Can you run the **samtools** program?
   1. Yes
5. What version is your **samtools** program?
   1. 1.18
6. Share the link to your GitHub repository that you have set up.
   1. https://github.com/SSeibel20

**Lecture 2:**

1. Describe a Unix command not discussed in the class or the book. Try to find something that might be useful. When would you use that command?
   1. I am not sure what commands were discussed in class, but a command that is useful in Unix’s commands could be “chmod”. This command changes file modes (permissions)
2. Describe a customization for the command you chose above (describe the effect of a flag/parameter).
   1. You can use the -v to make the chmod action verbose to show filenames while the command is running
3. What flags will make the **ls** command write out the files sizes in “human-friendly” mode?
   1. Flag lowercase lh (-lh) will write out the file sizes (-l) human-friendly (-h)
4. What flag will make the **rm** command ask for permission when removing a file?
   1. Flag i lowercase (-i) will ask for confirmation when removing a file
5. Create a nested directory structure. Create files in various directories.
6. List the absolute and relative path to a file.
   1. /Users/sls6550/OneDrive - The Pennsylvania State University/2024/BMMB\_852
7. Demonstrate path shortcuts using the **home directory**, **current directory**, and **parent directory**.
   1. Home directory = ~
   2. Current directory = .
   3. Parent directory = ..