**Linux: Commands**

Basics:

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| **Description** | **Command** |
| List of the folders and files in current path | ls |
| Command directory: used to direct the folder | cd |
| Go back step by step | cd or cd.. |
| Current path, location | pwd |
| Separator for location specifying with folders | / |
| Show hidden files | al |
| Help in Linux on any command | rm –help (command –help) |
| Clear the console or terminal | clear |

**Creating: files and folders**

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| Creating new file extension (one or multiple) | touch file\_name.txt 2ndfile.txt |
| Print string value on terminal | echo “string value” |
| Adding string in to file (>>) | echo “string value” >>file\_name.txt |
| Over write the string value in file (>) | echo “string value” > file\_name |
| Create a new file with information in it | cat>file\_name.txt |
| Bring file the information on to the terminal | cat file\_name.txt |
| Copy 1 file information to another file | cat>file\_name.txt |
| Rename the file | mv old\_name.txt new\_name.py |

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| Create a folder | mkdir |
| Remove file | rm |
| Remove folder | rm -r folder\_name |

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| Create coding file extension (not regular file) | vi python.py |
| Writing code, we need to start writing by using | i (insert option) |
| Stop wiring and go for saving file | esc button |
| Save the file | wq (look at bottom left) |

**Nano Terminal:**

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| Nano Terminal for quick edit | nano file\_name.txt |
| Write information inside the file (backend)and (save) | cntrl + o |
| Exit form nano terminal | cntrl + x |
| Save the file and modification | y 🡪 after cntrl + x (exit) |
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**Device Info:**

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| Device information which is running | ps |
| Background running tasks | top |
| To come out of it to console | cntrl + c |
| Kill any processing or running process | kill pid\_number |
| See if something running in the background | bg |
| Foreground running | fg |
| Giving permissions | chmod |
| Ping, ability to access the website | ping google.com |
| Date | date |
| Calendar | cal |
| Machine run time | uptime |
| Online users check | w |
| Username check | whoami |
| Given user information | finger |
| Disk information | df |
| Free space check | free |

**Terminal:**

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| Remove the line in the console | ctrl + u |
| Come out of the session | ctrl + d |
| Remove the word (back space) | ctrl + w |
| Logout of the session | exit |
| Compress the file | tar cf filename.tar filename |