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| LINUX COMMANDS |  |
| rm example.txt | Remove the file |
| Touch example.txt | Creates a text file |
| Cat example.txt | Reads the file |
| Cd | Change directory or take to straight to home location |
| Rmdir | Remove directory |
| Mkdir | Make directory |
| Rm -r | Remove everything under that folder |
| Man mv | Manual for move command |
| Top | List of processes |
| Sudo netstat -tupln | Deeper inset of what’s going on network |
| Mkdir –p | Make nested folders eg. Ex/ex1/ex2/here |
| cp | Copy file |
| . | Same directory |
| .. | Directory above |
| Cat | Concatenate 2 files Ex.txt ex1.txt |
| Mv | example.txt destination folder/ :move the file to destination folder and Also Renames the files Ex.txt ex2.txt |
| Pwd | Print working directory-helpful finding out current location |
| Ls &ls –l  Ls –a | List all the files in a directory & list directories along with authorization details  To show hidden files including all |
| Echo | Eg: echo “this” > example.txt will create file in current directory |
| Echo | Echo “this line2 “ >> example.txt appends the text in the same file |
| Sudo | Super user root |
| Sudo apt-get update | Check for updates for the software installed |
| Sudo apt-get upgrade | Upgrade all |
| Sudo apt-cache search example | To search for specific package |
| Rwx | Read write and execute authority |
| r-x | Only read and execute |
| Chmod 7or 6 or 4 or 0 | To change the rights 7-evrything ||6-RW|| 4-R|| 0-Nothing |
| Chmod 740 example.txt | Owner can rwx owners group can r others nothing |
| Chown | Change the ownership |
| Htop | Task manager |
| Whoami |  |
| Id |  |
| Sudo –i | Become root user |
| Uname –a | Kernel info, sys info, processor info, |
| Wc –a | To count no of words and lines in a document |
| #ARTHEMATICAL OPERATIONS | #ARTHEMATICAL OPERATIONS |
| For multiplication(special) | `Expr A \\* b` |
| For other operators normal | Don’t forget to put single reverse quotes with word Expr |
| For decimal operations | Div = `echo a / b |bc` use bc with echo |
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| If then else | For example  If mv test.txt test1  Then echo “hello”  Else  Echo “failed”  fi |
| # greater than and lesser than op |  |
| -lt | Lesser than |
| -gt | Greater than |
| Elif | Just like else if |
| Fi | Ending syntax for if |
| -ne | Not equal to |
| -ge | Greater than equal to |
| -le | Lesser than equal to |
| #run checks on files | #run checks on files |
| -f | Check for files |
| -d | Check for directories |
| -c | Check for special characters |
| -b | Check for images video file |
| -r –w -x | For read permissions , write permission, execute permissions |
| How to check | If [ -f $fname ]  Then  Echo “your message” |
| How to use AND operator -a | If [ $num –le 100 –a $num –ge 50 ] |
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| How to count characters/words/lines |  |
| [ Wc –c ] | Count the number of chararcters |
| [ Wc –l ] | Count the number of lines |
| [ Wc –w ] | Count the number of words |
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