Commands Sheet

# Information

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| who | This will display information about who is logged on, both yourself and others. |
| whoami | This will display information about the current user i.e. You! |
| ls | ls is short hand for LiSt. It will display all the visible files within the directory that you are currently in. The files will be listed alphabetically by default but this can be altered with flags. |
| pwd | This will Print the Working Directory. A fancy way of asking the computer to display information about where you are and what directory you are currently working in. |
| apropos *Keyword* | This command followed by a keyword will provide you with information on commands that are related to that keyword. |
| man *Command* | This will provide you with the manual for the given command. |

To clear a hung session in terminal press Ctrl+D

# Flags

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| ls -a | LiSt All – This will list all of the files in the directory including the hidden dot files. |
| ls -l | LiSt Long – This will list all the files and/or subdirectories with detailed information such as file size, date modified etc. |
| ls -r | LiSt Reversed – This will list the files in a reverse alphabetical order. |
| ls -t | LiSt Time – This will sort the list into a chronological order based on modification time. |
| ls -tu | This list will list them chronologically based on the last access date. |
| ls -R | This list will include the content of subdirectories. |
| ls -S | LiSt Size – This list will be based on the size order. |
| ls -h | LiSt Human – this will make the list human readable format for example the size would be 1.0MB instead of 1004638 |

# Getting Around

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| cd .. | Change Directory - to one level up the tree. |
| cd ~ | Change Directory - to the home directory |
| mkdir | Make DIRectory – this creates a new directory within the current working directory |
| rmdir *Direcotory* | ReMove DIRectory – This will remove the named directory, It must be within the current working directory |
| rm –r *Directory* | ReMove – the r flag on this command will along with its contents |
| rm –i *Directory* | ReMove – the i flag on this command will make it so there is user interaction, i.e. the computer will ask for confirmation |
| rm –ir *Directory* | ReMove – the combination ir will remove all files within the directory and ask for confirmation for each file within it. |
| mv *filename new\_filename* | MoVe – This will move the file to a new location |
| cp *filename new\_filename* | CoPy – This will make a copy of the file under the specified name. |

# Directory Manipulation

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| touch *filename* | Creates a file with the specified name. If a file with that name already exists then it updates that files timestamp. |
| cat *filename* | conCATenate – this command used in conjunction with a valid file name will display the content of that file. |
| more *filename* | This will display the content of the file one screen at a time allowing the user to press ‘space’ to move on one screen, or ‘return’ to move on one line. |
| less *filename* | Similar to the more command, less will allow the user to move both forwards and backwards one screen at a time using the arrow keys. |
| cat *file\_1 file\_2 > file\_3* | This will combine the content of file 1 with file 2 and place it into a third file. If it does not exist yet the third file will be created, if it exists then the current content will be overwritten. |
| cat *file\_1 file\_2 >> file\_3* | This adds the content of file 1 and file 2 to the end of file 3 whilst keeping the pre-existing data |
| head *filename* | This will allow you to view the first 10 lines of a file |
| tail *filename* | This will allow you to view the last 10 lines of a file |
| -n*x* | This flag will allow you to alter the number of lines displayed via the *head/tail* command where x is the number of lines |

# Word Count

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| wc *filename* | Displays the number of lines, words and characters in the specified files |
| -l | Displays the number of lines only |
| -w | Displays the number of words only |
| -m | Displays the number of characters only |

# Sorting Files

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| sort *filename* | This will sort the lies of the file alphabetically |
| -r | This will sort them in reverse alphabetically |
| -b | This will ignore leading blanks |
| -d | This will only report on Blanks and alphanumeric characters |
| -n | This will sort it numerically |
| -c | This will not sort, but check if the file has been sorted |
| -o | This will direct the output to the specified file. |