Linux General Best Practices and Shortcuts

<mark>Linux is CaSe SeNsItIve!</mark> – helloworld is not the same as HELLOWORLD which is not the same as helloWorld, etc…

<mark>Do not use spaces when generating names of files or directories</mark> because Linux uses spaces as an argument parser

<mark>Do not use special characters)\!@#$(%^&*/ when generating names of files or directories</mark> because they often have special meaning in the Linux world

ctrl+C = cancels/exits a current prompt or command and gives you a new prompt

tab+tab (double tab) = autofills a string if present in your current working directory

up and down arrows = cycles through previous run commands

Basic Linux Command Cheat Sheet

Command	Function	General Usage
pwd	print the present working directory	`pwd`
cd	change directories	`cd /path/to/directory`
ls	list segments or	`ls <options> <optional path>`
less	Opens a file for reading/viewing only and allows scrolling	`less /path/to/file/myFile.txt`

nano	Text editor; allows you to read, modify,and create new files	`nano myNewFile.txt`
		`OR`
		`nano myExisitingFile.txt`

mkdir	Make a new directory	`mkdir myNewDirectory`
cp	Make a copy of a file or directory (need -R option for copying directory) Careful! If file or directory exists, it will overwrite!	`cp <options> /path/to/directory/file/to/copy / /path/to/destination/to/copy`
sftp	Secure file transfer protocol to copy data into and out of Wilkins/Rosalind environment	`sftp username@address`
get	Sftp command to pull data down to login site (download)	`get /path/to/file/to/download`

put	Sftp command to push data into a remote site (upload)	`put /path/to/file/to/upload`

Basic SLURM Command Cheat Sheet

Command	Function	General Usage
sbatch	Submit a batch script to SLURM	`sbatch <options> myScript.sh`
squeue	Check job status in line	`squeue <options>`
scancel	Cancel a currently running or pending job in the queue	`scancel <options> myJobID`

Contact Information

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