## IT 1100: Introduction to Operating Systems

## - Basic Commands

Command	Sample Usage		Description	
ssh	ssh smorgan@ssh.cs.d ssh smorgan@scratch.		allow remote connection to other computers	
wget	wget http://www.google.com	n/somefile.pdf	copy a file from the internet	
tar	tar -xvvf myfiles.tar		extract the tar file. This will put all of the files in your current directory. run the ls command to see them	
date	date		shows the current date and time of the computer	
cal	cal		shows a calendar and highlights the current date	
exit	exit		logs you out and closes the terminal	
pwd	pwd		prints the working directory or prints absolute path of the current directory	
	ls	lists the o	contents of the current directory	
	ls newdirectory/ ls ~ ls /	lists the o	contents of a specified directory	
	ls -a		lists all the contents in a directory including the hidden ones	
	ls -l	lists the o	lists the contents of a directory in long format	
ls	ls -r lists the contents of a directory		contents of a directory in reverse order	
	ls -t	lists the d	lists the contents of a directory in date/time order	
	lscolor lists the content highlights.		contents of a directory with color s.	
	ls -R		contents of a directory and all of the cories - same as tree	

	ls -a -l ls -al	li	sts all th	ne contents in a directory in long format	
tree	tree display the contents of a directory and all of the subdirectories - same as ls -R				
	cd cd ~			change directories to your user home directory or \$HOME	
cd	cd newdirectory/		chang	change directories to the specified directory	
	cd - ret		return	eturn to the previous directory	
echo	echo "Linux is Fun!"			print to the screen. quotations are optional, but helpful	
less	less myfile.txt			display the contents of a file with the ability to navigate up and down	
touch	touch newfile.txt			create an empty file	
	cp myfile.txt myfile2.txt		сору а	copy a file	
Ср	cp -r mydirectory copydirectory		сору а	copy a directory	
	mv myfile.txt rabbits.txt mv myfile.txt/apple/myfile.txt		move	move or rename a file	
mv	mv mydirectory/ newdir/ mv mydirectory//coconut/mydirectory/		move	move or rename a directory	
	rm myfile.txt		remov	remove a file	
rm	rm -r newdirectory/		remov	remove a directory and all files inside	
mkdir	mkdir mydirectory			make a new directory	
ln	ln -s mydirectory/myfile name-of-sy ln -s /full/path/to/original /full/path/to/new/link		-symlink	create a symbolic link, like a shortcut to a file or directory	
Wildcard Characters	ls foo.*  list files ending with any extension. Any number of characters of the contraction of the characters of the contraction of the characters of the ch				
*	ls file?.txt	list files with exactly one character between file and the		ly one character between file and the	

?		extension
[ ]	ls file[1-3].txt list files with a 1, 2, or 3 between file and the extense Example file3.txt	
		list files with a 1, 2, or 3 followed by an a, z, or f followed by any number of characters. Example file2z.jpg