# Unit 3 Command Cheat Sheet

**grep**

* Output all lines that contain 'target string' in filename.log
  + grep 'target string' /var/log/filename.log
* Output all lines that contain 'target string' in multiple files
  + grep 'target string' filename1 filename2 filename3 (IGNORE CASE: Use -i )
* Return lines containing 'David', 'david', 'DAVID' etc
  + grep -i 'david' /var/log/auth.log
* Look through command output
  + netstat -tulpn | grep ‘string’
* Find all files in the home directory with ‘string’ in their name
  + find /home | grep string
* Find all files in directory /home containing test ‘string’
  + grep -rnw string /home

**services**

* service service\_name start|restart|stop

**apt**

* apt update
  + reload apt package information
* apt upgrade
  + get the latest version of software on your computer
* apt install package\_name
  + install a package
* apt remove package\_name
  + remove a package
* apt purge package\_name
  + completely remove a package, including configuration files and dependencies

**netstat -tulpn**

* view all listening ports on your computer

**ssh**

* used to connect to remote machines
* ssh username@ip\_address

**ufw**

* uncomplicated firewall for Linux
* apt install ufw
  + install ufw
* ufw enable
  + activate firewall
* ufw deny port
* ufw allow port
* ufw status numbered
  + check if ufw is active/ what its rules are
* ufw delete 1
  + delete firewall rule 1

**top – used to view active running processes, quit with q**

**pstree – view all processes and their parents**

**ps aux – get an unsorted output of processes, best combined with grep**