Metacharacters

> redirect the output of a command

>>

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; run a sequence of command on one line

` ` assign the output of a command to a variable //this is a backtick

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[]

**BASIC UTILITIES**

* grep
  + grep pattern file
  + –i insensitive
  + **–**w exact word
  + **–**v invert (Except)
* **Find –** used to locate the file on the unix system
  + **–name**
  + **–iname case insensitive**
  + **find –not –name //invert**
* **sed**
* **sending email**
* **crontab – for activities that are scheduled**
  + **crontab –l //list all the processes**
  + **15,45 \* \* //meaning every 15 mins and every 45 mins**
  + **Crontab –e //edit**
  + **Crontab –r /delete all the running cronjab**

**// !! repeat a command**

* **process –** 
  + **start a process in foreground**
    - **sleep 10**
  + **start a processin background**
  + **list running processes**
  + **list running processes with more information**
* **process information**
  + **uid**
  + **ps –eaf**
  + **ptree process – to check the child processes. Useful to kill processes. To make sure na nakill lahat yung process.**
* **Stopping processes**
  + **kill process**
  + **kill –TERM cannot kill child processes**
  + **kill -9**
  + **top – to see all the processes or scripts that is consuming memory in a server**
    - **//sentinel alarm**
* **Communication** 
  + **Ping**
  + **ftp utility – upload and download your file from one computer to another computer.**
    - **Eg: ftp address**
  + **Remote connection**
    - **telnet**
    - **rsh**
    - **ssh – more secure than rsh**

**//id**

**//who am i**

**//put**

**//basic borne shell scripting**