Startup

* Init
* /bin/login
* /bin/sh -> bash
* /etc/profile
* ~/.profile
* $ prompt

Exit status

* All programs and scripts have one
* 0 Is success
* Others are all failures

All different processes - Pwd; ls; who

One process - (pwd; ls; who) > a\_file

Sleep ###& has process do things in background

Metacharacters

* \ Escape character
* & background execution
* ; separate commands
* $ substitute variable
* [abc] match a, b or c
* [!abc] match anything but a, b and c
* \* match 0 or more characters
* (commands) subshell
* {commands} this shell

Local variables – only in current shell

Environmental variables – in current terminal

Positional parameters – set is used, where can be “set one two three” and when running $1 it returns “one”

“” – allow variable and command substitution

‘’ – ignore metacharacters

\ - escape metacharacters

`command` - this replaces the variable/command then runs the external command

Functions – Exist as a part of the shell – efficient – cannot be exported

Function ex. Function () {command; command}

IO and Redirection

* <word – use file word as standard input
* >word – word as output and overwritten
* Here document - Example of interactively adding input “cat << done”
  + This will let you add information until you type done, but done is now returned