**Professional skills**

UNIX & LINUX components- kernel – operating system

Shell : interface to kernel

Utilities editors compilers

Linux can be tailored for device and embedded system is in sky box

Scalable – can also be high performance

SysV

BSD

Linux

Solaris

AIX

HPUX – Hp version

Red hat – free code sell support

Debian – solid very few bugs

Standardisation – POSIX

IEEE standards – POSIX 1 interface to kernel

POSIX 2 shell

De-facto standards

UNIX philosophy- make lots of small programs well opposed to one big program

Shell programs are stored like files could be in multiple locations

*Man ls* to get help on *ls* - man + what you need help on