Sheaff Nicholas La Joie ECE 33/ 1/24/17 - Globbing is weird extension in bash

15 [4-7] == 15 \{4..7\}

Use v/double ligits ".. "operator (range) "Range Operator" · #5) Formathing (\*tree) if it's 10,000 b/s, >semilogx scale put kb/s ( +old days: bin, boot, etc) on separate drive to boot · Standard across linux 1 - root directory bin - binary files - essential (gets system booted) der - device special files boot - boot siles (kernel) lib - essential libraries proc - virtual filesystem - interface to process data (progs. running on pi) root - user "root" home director & ("privilege stanser") => Cannot kill zombies run - runtime data - tmpfs (RAM) (not on 50 Card)) Sbin - essential admin commands 545 - interface to consigure hardware var - variable data = package managenent ... USY - keep user files here -> commands, docs, libs, afterboot ( + arm-linux-gnueabihf) home - user's home dir's + 18/1864 Is usr' mirrors root a bit \*libraries don't need UST/share - docs, mon pages, static data to be installed system-wide / usr/src - linux kernel etc - configuration us r/local - can install our programs (i.e. avidude can be in local & elsewhere)

Navigation:	
"." - parent directory  "." - carrent directory (a special Fil	le that contains directory into)
"/" - root "pwd" - print working directory "FH!	5"-file heirarchy stenderd
Compiler	
· invokes preprocessor · produes text-based assembly · assembler creates object file	(*pic code position independentcode?
invoke a linker (resolves symbols)	
· produces executable  ( gcc - E - 0 x.cpp x.c)	# Intel Footram Compiler
gcc -s -o x.cpp x.c //assembly:	elf "exectuable linker format"
(gcc -c -o x.o x.c) (file x.o => LSB, ARM, etc.)	
- Wall ("almost all wornings")	[Km. sk [Km.x]
gcc - v - Wall -y - 0 p x.c)	-g dedug -L/nsr/local/lib
* Optimize -02	-L/nsr/local/lib
-I. linclude (if header files are in a weird spot)	

## File Permissions

Account	. 00
Permission - files have:	./ to run stuff, in a path) (dot usually isn't in a path)
(USER (owner)	
group	
USER group other	
read write >	c - char device
	B - block device
the crelative to tillogs	l - Ald symbolic link
Execute  Fletyre (relative to filesys) $g = w$ $g = w$	reg. file
fletyre (relative to till) of $y = y$ User group other	d - directory
oser group other	s -saket
-means denied	p - momed pipe
r-read	
w-write x-execute	link Call
X-execute ives per	miscions to all
(don't	link missions for all try to change it
1. La monissions are	
*directory person	
*directory permissions are different  List files List write - mkdir List or	
. as I - list files	
Ly reach mkdir	
Ly write having directories	k
Ly dear exec (1: + files	* umask
San't see attributes	*cmod
Can't create files	"change made" > symbolically
L) set exec do all	symbolically
Ly write - mkdir  Ly dear exec - no changing directories  Ly dear exec - no changing directories  (list files  Can't see attributes  Can't create files  Ly set exec do all	+ absolute
* Look up "octal"	•
4 Lask ap	
chmod 664 9	
* remove permissions v/000 (i.e. cat 8)	)
Chmod U	+r, atx o
USE	- cont all exectable

