Mo Tu We Th Fr Sa Su	Memo No
tout -> creaks new file	the state of the s
cd > change directory	A s
cut-s reads file	- Ellio 11 2 1172
grep -> search	grep 150-Seve 47 frename.
'ls > lisk all files in direct	chory 1 ls -a for holder files
And I find files	find path - name Enter
- link files with	brages will be the
Symbole 3 ln -s long. f.le-	puth] [link puth]
Colors and Colors	In why was a self fine to self of the
'man' -> Crives date about is	
Sun's	age of I man cut
s pess q boquit	© 1". 7. 1 1
4 Search with '	Search backwards with '?'
the Gn= next result	N-S Prev. regult-
is your -K Ckeyword	a stackes for mornals
· Some programs don't hove	manage but down table
the desired of	gram gray out ouscription
maybe given if we	wehelp, -help, -h-?
depending on program.	1,20,000
1	
· for builtins we use	help [Built in]
· · · · · ·	A transfer to a series of

	Memo No.
Mo Tu We Th Fr Sa Su	Date / /
Placking Pippy	
poredireck	s op
e cho hi z asdf Swrites hi in a fil	o default 1>
Eswrites hi in a fit	e asdf.
aggregate - run a bunel	ommands.
79	
= '>>' will append	1
Langlania & The	and the same of the same
· file Descriptor (FD): no. the	describes a communication
chamil	
FD 0 3 Sponder	
" 1 > "	oip
n 2 → u	evror
Land to the co	William min end &
some command > outputiley	l> errors loy
es command will redirect	olpho output-log Seriors
no errors loy	come that were offer that may
1 To do son in the state of	
e -> redreck ip	and the same of the same
	The state of the s
1 - Sld ole from lelle of	norales will be signed to be
ispe ship of the comme	aperator will be piped into
operator of the comma	ma regul.
170	

>8 > redirects a file descriptor() ->8 > redirects a file descriptor() ->8 > 2>8/=> redirects stder h tee -> duper data flowing through per entropy the parfile! file? file	The state of the s
	The state of the s
	The state of the s
	The state of the s
tee -> dupes data flowing through p. eithobil tee pur file! file? file	ipe to any no. of fites
echo hil tee pur file! file? file	
	3 file n.
MM 6- 3-48 3/1/ 8- 3	March S SAV Som
Noh	Partie S. J. M. S. Carrell
· I challenge I hack is a common	d, but if you want b
pus it as a file use > C/C	hallenge (hack)
ususful in the tee as it or	my takes files as ary uments
	I'll be well to have the work in
· s should be prepended to var · variable=value NO SPACES IN 1	riable (echo SVAR echo VAR)
· voriable = value NO SPACES IN 1	BIN North Const County (VITY)
for multiple words use "" (" for	esconple")
KND 366	9 = 10
'sh' > makes child shell	
is wont be able to occess son	
les To access he hove to	Parant variable
	· · · · · · · · · · · · · · · · · · ·
export VAR=53	
em > Prints out every experted variable	Set in your shell.
-slommond Subs" o Allow to capture of	any command as an argument to
another command.	
Vzy: Flay = B (cat /flay)	
echo "& Flag" and -0/pal	

	Memo No.
Mo Tu We Th Fr Sa Su	Date / /
read variable_to_store_in	-> Inpuls
	ompts a message before 1/1p
	NAME
olp -) Name: Bukher	tee - dages do the flowing through p
-> echo "test" > some-file	oupof echo -> file
read VAR < some-file	file data -> VAR
Processes & Jobs	readinh
/ · · · · · · · · · · · · · · · · · · ·	shins, & lists processes.
(PID is -> Process ID	(A Numerical Edentifies)
7 ine -> total time the process	every running process in a tinux
has eakn	environment.
(TTY -) kiminal on which the	
1 310 mars	of poplific words use I for
ps-ef	os aux
e -> lisk every process	a > list processes for all uses
-f - full format ofp	4 -> " that went running in a ferminal
Expert worlds	22 -> for wer-rendable orp
-> Standard Syntase	Editar Valle
Made was a lo	
A party care housen in	
	the state of the s
	1000 000 000

	Memo No.
Mo Tu We Th Fr Sa Su	Date /
STIME -> Sport time of proce	of Add the Dellar
PPID -> PIRaf porent	process
Salver Joseph Joseph	
kill PID -> kills proc	cess with that PID
has some min state by line	En to them of the think own into
- When a process clogs up &	he perminal (eg. by an application
nating for i/p) use	Chilte to inkrupt.
· Ctil+2 suspends program	
Je roums program in	fregivand
· by suspend	background
· Whon you put a process	its statin ps -0 become
. C suspended due to Chiltz	Ald All comes took over . 7
S-> provers is steeping a	hile wag waiting for ilp
- Homay running	(1)
R+> boll on the	lor ey round with a sound
process & -> Shirt proce	ss in bg
·· Post asia Para	
: Percessing Permissions	
ls-l -> Shows primission	s of presidence
d d " drecky	
chause change of the charge	r neld will,
	chyop > change Group Jacus for fill in that &
Chown [Lusename] [file]	entall sons a reserve free 1820

Mo Tu We Th Fr Sa Su	Memo No
· in Is-l. 1st characky -> file hyp next 3 " s -> permission 11 -> 11 -> all all Fach char of the three representation Y - werlgsplother can read w - 11 modify	group and access permission of a diff type. file 1 list/die
no thing	the file as a program of can enter dir
Eg: 1w-r-r- divodes, r-wer that owns the file con w- connut	read that belonged . T
	the file con read it cannot execute; t
chmod -> change mode (to change be chinod COPTIONS] MUDE &FILE & Sophions allow to hereat perms a	estecute il file perm) Eg: chmod ut r /flag
	who the what

Mo Tu We Th Fr Sa Su	Memo No
Eg: u+r-s adds rend	acress lo wers perm.
a-rwor > removes all	permissions for users/gras/world
Kilder P. C.	one I wish Use
[u, y, o, a] +/-	$[r, \omega, x]$
· ·	James Spring & Tel 180 under
· You need work access to	file to change perm.
and the state of t	an example of which was but the one
Parmission Selling	no strong
u=rw-s sets reve	I I write perm for use Swipe execut-
0=>1 -> Seks only	taleluk porm
A	· the 'ss' file to speed hite
· For multiple	the execute at coins
4=rn, g=r	de location book x sh
I there simple to also commends	& Karen pine
Zero out perms by	. Home is a feat oblir in progrant
Warne der ven	
· Set User In (SUIN) a	Hous user to run a program as the
owner of that program	Hous user to run a program as the
- rws r-xr-x -> The s	portin execulting bit means that
Mp	rogram is executable with SUID.
-> The program wil	I execute as the owner was the
WARNENG: giving SUED bot be	on execupble ouned by root con greatlackers existible about account become root

	Memo No
Mo Tu We Th Fr Sa Su	
recipation is sive your	superedly: 25 # 1! mun preserved steger
fetc/shadan -s pew some as	superstilly: Ls # 1! men preserved \$100,7
	/ 1 001 376
	4 blant => no password
john [dir/file] -> durypts	password
	I sig it signs was houself "
sudo -> was policies holeka	imine use's authorization walter Han
password.	- Santa Stanton
; > helps choin command	
in series	the se as sold only activities
· Use 'sh' lifes to stor	e a list of commands in a lite
to execute at once.	e a list of commands in a file
G To execute bowh	a.sh
G You	can pipe I' these scripts to Abr Commandy
- S Nano is a lext editor in by	con pipe I' these scripts to Abr Commandy
> You can execute without	bout it was make the lote owe late
or the entermination	bouh if you make the file accupable
PATH -> Stores a bunch a	I due les ceres par ma (a)
PATH="" > delete all de	Set the Try (SUTH) produces following
The source of the	1 red the real condition of rates
· if you add a script	to PATH it can be lounched
with bare name (u/o	b PATH it can be leeunched on whole puth . / / script).
PATH= Wend script	and the most of the first of
Take to range our finance of	and the realist of the second

Mo Tu We Th Fr Sa Su	Memo No
PATH = \$ PATH: (dir)	Sil if its current dir
PATH = & (dir): SPATH -spi	egrends
	•
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