cut command.

aut fewom another file.

2) 1 rusq. 12:1/2 3

-> cut -c 2-10 text. but.

niksha.

nibbisays

Kasusha. anada.

oming back

-> date | out\_b 2-5.

monday.

az\$(dale +1/h)
il [sa -lt 23 84 \$a -st 12]

then echo " ma evening"

else

echo" morning"

bi

a = \$ (date +1/h). il [sa -ge 11 -a -lt #] then ello it is afternoon" ely (la gt \$13 a la - el 20) Shen echo " it is evening" elib [\$a -ge . 20-a sa -41] fren echo" it is night" else eeno" id is morning") Bi 6001 20 C - C1-10 - Exce Time = 12:16 ail is afternoon" union alynj AMULTS

Quale an employer database with employer delails and perform operations. cooning of the const

ele Meking

" by Wi ci Li " and I

("Firm of it is married")

Jug Duj

1 display haden and forder to the off just @ print first 5 and last 5 lines

3 grep and with 5 bains legular expression operations on file

(a) deno of cut as and oblume sand filldwish tooky

1) pr. h "head" emp. tail.

Time: 12:16

010

2023 - 01-02 12:28 head page 1

6000

Salary a i ju emp ID name anikoha 1000

100 00 2 1500

head n I empl. tot.

employee ID Name Salary

Sail \_n 1 emp. tal

010 grs 6000

had n 5 emp. txt. employee In Salary name 001 anulesha (000 002 and 1500 003 abe 2000 004. bcd 3000. dail in 5 emptret. efg 006 -3500 nij 007 1200 008 jlm 5000 009 nop 5200 010 gyI 6000 Harro 00/ 002/ 3 > grup "abc" emp.tat. 003 2000 rodi 2002 9007 -> geoup "[Aa][bB]c" imp. tut ? !! Dy abc 2000 · [ 2 - 2] 2119.64. grep "(Nn)[Aa]? emp.txl. employe ID NAME SALARY. 3001 · CUB the s grep "[a-a]" emp.txt. 00) anitsha 1000 OOL anile 1500 003 ala 2000

,						
->	grept	"N 00°	emptat.			
0	101	anilesha	1000			
		anik.	1500			
C	003	abc	2000			
0	04 6	الم				
0	0.	cde				
0	06	efs			- v3	
		$\sim$	1200			
	•	mly	5000	1,	i yas a	
007 nop.		nop.	5400			14-
						e e e e e e e e e e e e e e e e e e e
				1 A A S I		
->	le -21	dust "	no" emp. tri	\$ & COLOR	727	7,6% 70.5
		anibsha	1.55	0003	23 6	6.5
00	02	anis	,	0009		
	03	abe				
00	24	bed.	2000	3 4.4.		
;			3000	to the	grap " ods	1.0163
00		- ilm	5000	2000	ale a	9
010		nor	5400		3000	3 U S
		Lus	6000	bit you "ul	186 11 AS	N Contract
				3.4.2C		
~	grep	"[^a	-a] em		K.M.	200
		1		ery w	"LSA](nv	1) - 400
ŕ						
de.	001	anibsh			MAM	QT (1)
	002	anik	200			
	003	abe	200	Tut quy	e 'Coal	
				5.547		
-	grep 1	0.0t,	emp. but	1	3 MINUTA	
	004	bed	3000	7,400,0		
V	800	ilm	6000			
	010	die	6800			

4-6 imp tal LOI aut ~ 15-30 SALA. NAME anilesha 1000 anik (500 abc 200 bcd 300 cde 2500 efo 3500 Ni 1200 jem 5000 NOP 5200 grs. 6000 emp. tut . s/il 2000 3000 2500 3500 1200 5000 5700 6000. 3 8 grep [s-a]" emp.tat. anishsha. 001 1000 002 anile 1500 003 aba 2000 hi 1200 Show 5000 010 6000 gre

1 Program with three sort commands.

echo" anik/shree/man/pav/ebtha" > durn.tru.

Cot dumdum. For

echo" "

echo " sorted in reverse"

sort -r dumer. tout.

echo" " sborned in alphabetical"

Sort - f. dum-txt.

echo " 40 / 28 / 45 / 67 / 12" > num.td.

9302

also " number file"

Cat num. txt

echo "

sort in numerical "

output:

dun file

anite

show

par

eetha.

Sorred in survey	
Shruc	
por	
man	
elesha	
arite	
sorted in alphabetical	
ank	
ektha	
man	
pan	
ghree.	
num fil	
μ0 23	
uC	
64	
1 3	
sort in rumerical	
1	
23	
40	
45 64.	250
a de mad	
(2) Shall program on paste and.	
edro " anile In shree In mans "> dumdun	1 txt
echo "dundum fili"	
echo dun tet	
Cal autition	
the echo " "	
euho" - ===	
euro" u0/n23/n us/n64/n1">	tet.mu
euro" 40/n 23/n 45/n 67"	
echo " number file"	
Cat num. tst.	
ceno ~ "	

edro fler Output: dundum sile anibsha Strueya mans number file 40 23 67 losminum rie after past: anitesha 40 23 shreeya mans 64 1 stable progress on passe that 3 Demo programa for unique to. July musmuly a same nano femil text. apple Orange grape grape. feuit .txt. 9. uniq apple

grope.

arriesta In streeye in mans in anitoha "> duridum.te euro" dundum fil " cat dundum tout echo" echo" changing cases" tr '[: lower:]' [: upper:]' < dumdum.fxl Output. ANIKSHA-S SHREEYA. MANG ANIKSHA. (b) Weite C/C++ program to that supports the contents & its environent list. { A include < RESTION > int main (int argc, char \* arg v (2) char raptr; ealern char for environ; for ( ptr = environ; \*ptr 1 = 0; ptr +1) bung Ca NS/Ny " \* BAD; section 0; > Namo prg. C ६५ gcc parg.c ./a. out

Output = SHELL = 16in /BASh Session manager = local Phones - HP Pro-330-m7! tet mulment : sust of the environment. cine, grander carro 2-14011114 4-1131-15 MAIN ANTHORN . assule cici progress to that suspent the curlent - the themomera colo in miller (Thornson) (1) vous x vous , see this mount his when the "x course" (1+ 10 0 = 1 14 " (Wallalle = 14)

LAB-11.

1) Wente a C/CH program to emulate the unix In command. #include <stdio.h> # include < Syp/types. h> # jindudi < wnistd.h> # include < string.h> and main (int areac, char \* argu[]) if Carge <3 11 arg > 4 11 earge == 4 2) Stremp (arstremp (arg v [1],-s')) ? print (" usaye: 1a. out l-S] < org - file × new - like > n"); Julier 1; Wearge == 4) 8 300 5 111 if (( syrnlink (avg [2], argv [3])) ==-1) print (" By mbolic countrol create the link "); privil ( " symbolic link can be created "); else der f if (1 link (angu [i], angu [27)) ==-1) print (" cannot make hard like"); private (" hard link excelled");

1

Julumo;

Output. gcc. progl. c. · la out progl. c. usage (: la out [s]<org\_liles><new\_link> (doesn't work). < H. oible> dubri ff Ed. cogpetique > shubin = > ./a. out prog 1.c hard hard link created (1) 1000 x 1006 > latout #-s prog1.c loft. Symbolic link created ( ang v (1) ,- S 1 While e/C++ POSIX compliant program that prints Posix defined carting. # defin \_ POJIX \_SOURCE # define \_POSTR\_C\_80URCE 197309L. 703 # include < stdio. h > the show larger siled mark ") flooring # include < unistd. h > ( \* bodiers and mon sing silvatings \* ) thing # igag \_ POSIX \_ JOB - CONTRUL sprintf ("system does supports job control"); ( " die land # else print ( " system does not & support job control in print (" hard link expended"). # and ib # ibdeb \_POSIX\_SAVED\_IDS. print (" system supports sawed set-UID and saved set-GID)

علالو pring (" system does not support saved Set -UID and sowed Set - (210 m2); # endil # if def \_PORIX\_CHOWN\_ RESTRICTED print (" chown - restrict is 1/4, POSIX - CHOWN - REST) # ds print (" system does not support chawn \_ restrict option, "); # endil #ifalf -POIX\_NO\_TRUNC. print ( " Pathname 1. , " \_ POSIX \_NO \_ TRUNC); # duc. prints (" system does not support system mide "); # endil Crows ? call > st your Jany # ifly - POSN NOISABLE prints (" aisable ", \_ POSIX\_VDIS ABLE); # ds Support - POSIX \_ VOISABLE phints C. " system does not EUNOPALO, CO VEID) MOSO = 6) # andib seetern O; Ý Output ga prog2.c 11 abin was = PJ · la . out progz.c. ofther of subtant Jop couply Supports saved set-vip and saved set-brid chown sustinided opton Q time coption is 2. files is Ocharacter how themical Disable

3 asite C/C+ & program which demonstrates communication between a suador process and writer process. Use millito, open, seed, write and close API in prog. #Lindude < syel types.h> # include < fant. h> # indudu < unistd .h> # include < emr. h> # include < stdio. n>. arg 4.[7] int main ( int aryc, char & I int Bd. char bull (256 ); if carge! = 2 les arge! =3) print (" urge 1.3< fil) [ carg] In angulo]) outern O; melifo Cargu PiJ, S\_1F40DS\_1RWXU /S\_1RWXU /S\_1RWXU) is carge = = 276 fd = Open (argu (i), Q RDONLY! O\_NONBLOCK); HAND while ( and cfd, but, size) (but )) 9gt; 0) printly (" 1/s", but 5; da fd = open (axgv [1], 0 - WEONLY); write (fd, argv [2], order (argv [2])); y don (fd);

output

gee prog 3.c

if -/a. out addition "im saying hello" message.

The puri a new terminal

in saying hello

in saying hello