16/01/2023 1) Write clc++ program to emulate the unix In comme #include 4 stolio. b> # include & sys! types.b> # include < string-h> int main (int arge, char * argv []) 11 Carge == 4 kg stremp & Ef Cargo < 3 11 argo >4 Carg V [1], "-s")) printf("Usage ./a.out [-s] < org-file > < new . limely
</pre> return 1; if (argc = = 4) (if ((symlink (august2] arg v [3])) == 1)

prints ("Cannot create symbolic link In"). printf (Symbolic link created in);

paperism, Date: (of ((link(argy [1], argy[2])) == -1)

print f (((appot create hard link \b)); printf (" Hard links created In"): - acc incomdic ·/arout acb Hard link created. . 1 a out -s m n symbolic link created. 2) write old+ POSIX compliant program that prints the POSEX defined configuration options supported on any given system using feature test # define POSIX_SOURCE # define _ POSIX_C_SOURCE 199309L # include estdioin # include curistal. b) int main() (# ifdef _ posix JOB_CONTROL printf (" system supports job controlln"). # else printf ("System does not support job
control in"). Hendif # Etder _prosix_SAUED'IDS prints (" system supports saved set-UID and saved set-arolo");

Date:	paperism,
# else printf (" System do no! support ")	By #include < sys/+ypes.h>
print Sustern Co	# include suristd. h
tendof.	# malude (systatutoh)
CHOCOAL PESTETCTED	# include < strong. b)
#3fder -POSTX_CHOWN RESTRICTED	# includes erross
printf (" System supports option is 1.d \n' BSIX CKOWN RESPRICTED):	# include cfant. h>
CKOWN KESTRICION	# metude 4 stdio so
#else	
printf ("System do not support \n");	int main (int argo, char' argue)
Hendis	kind fd:
	char buf[256];
# "Edef - POSEX_NO TRUNC.	if (argc!=2 be argc!=3)
printf (" Pathname - Trune option is "d/n' Posmul	(print ("Usage 15 xffles [xorg>] \n", argv[
# enelif.	return o:
H Efdet POSIX DISABLE.	3
to the property of the second	mkfifo (argv[1], S_IFIFO S_IRWXU S_IRW
printf (Disable character for terminal files a kd).	S_IRWXO);
- POSTX_VUTSHBLE);	\$ + (argc == 2)
Dendis	
return 0;	(fd = open (argv[i], O_RDONLY O_NONBLOCK);
3	while (read (fd, buf, size of (buf)))
	printf (" 1.5", buf);
Output:	3
	Use
System supports job control	(fd = open CarguEi], O, WRONLY);
System supports saved set-UID and saved	write (-fd, orgal 2], strien (orga [2]):
Sed -GID	, ST 71 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
chown restricted option is 200119	close (fd);
Pathname trunc option is 200112	1
	3
Disable Character for terminal files 15 255	Output:
	· la. out FIFOI "This is USP & comp; CDlab?
	· la, out FIFOI
	=> This is USP framp: CD Lab.
	The state of the s