OUTPUT

```
[240gx2] & gcc cignal23.c -0 try
[240gx2] & /toy

process (8934) is sunning

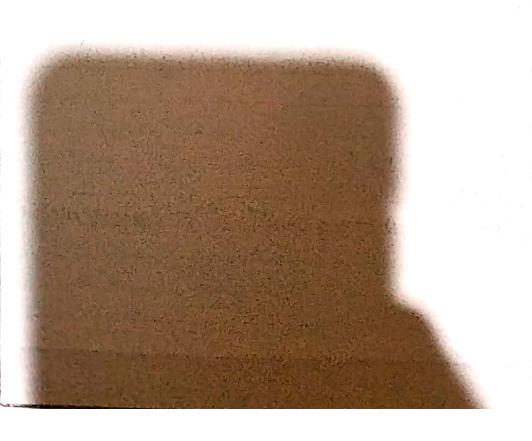
^C

signal SIGINT succined=2, toying to stop the program

^C

[240gx2] &

[240gx2] &
```

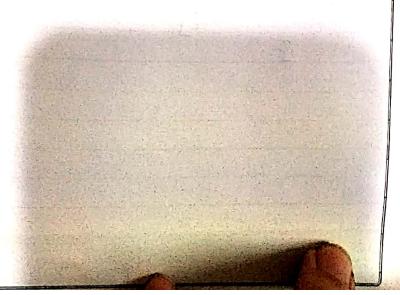


	Date
	Page No. 24
Expt. No	Expression Co. and Suits. Hoperstanding and the description of the state of the sta
PIPES	
1) WAP to implement how a powers commu	unicates with another
D war to inspendent book process using the pipe function.	
	T
Am) Hinclude astdio.h>	
# include <= /s types · h>	
#include asys wouth	and the Array
# Include curistalh>	
# Include 2 storng.h>	
# define msgsize 100	· · ·
char *msg = "hello os lab \n";	
void mainc> &	
char Publy [100]; pid-t childpid; in	+ fd[2], i, bytes,
pipe (fd); // pipe system call	
if ((childpld = fook()) ==0) {	
close (fd[0]); // close read end b4 cosite	
point ("child (v.d) coreated and pre	paring to essite message = 7.5
with length = Yod \n", getpic	dC), mcg, stolen(meg)).
wrote (fdliff, mg, stolen (meg	7)+1),
Sleep(2); exit(0),	- 1 * &
J .	
else if (enilapid >0) {	
close (fali); // close woute	end 124 stead.
bytes = sread (fd[o] Probut, 612	eof (inbut)).
pount ("powent (Vod) of child (7d) subvieves Vod bytes	
of stoings = 705/n getpid() childpid, bytes inbut);	
wait (NULL);	7-1-01-1-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
3 -1	
Teache	er's Signature :

OUTPUT

child (3750) careated and pareposeing to warite message = hello as lab with length = 13

Pavent (3751) of child (3750) one frieves 14 bytes of strings= hello-os tab



Scanned by CamScanner

-	
(3)	WAP that covertes a one-way pipe between a pavent and child
1	nancess: the parent process gets a string from standard Popul
	and sends the stoing to child. The child posints the surveyee of the stoing. Both parent and child terminates when the stoing "quit" is the Anput.
	of the stoing. Both parent and child terminates when the
	chong ugustu is the Input.
Im)	#include <stdlo.h></stdlo.h>
t	# Include < sys/types:h>
	# Include < sys/types:h> # Include < sys/wait.h>
	# include < uwifd.h>
	Pnt flag=0; pid_t childpld;
	void main () {
	Put fd[2], bytes, P, j, stosize; char sto[40], read buffer[80], rev[80],
	pipe (fd);
	of ((childpid = fook ()) = = 0) {
	close (fasi]);
	cho {
	bytes = read (folo], readbuffer, size (readbuffer));
	promise ("child C/d) sheads 7.d bytes of stongs 7.5/n",
	getpid(), bytes, swadbuffer);
la	Pf (stocmp (readbuffer, "quit")==0)
	exit(o);
	else
	flag=1;
	9= stolen (readbuffer)-1; =0,
	while (°>=0) €
4	rev [j] = ruadbriffer[?];
	printf("%c", sur[j++]),
1	2 printe("\n"):
	Johnile (flag); Teacher's Signature:
	4/lend H

OUTPUT

Chronica in the salthy-

Pavent (9488) enter string or quit to exit Osen 3113

String = csen3113 entered with site = 8

Povent (9488) sent a bytes of string = csen3113 to child (9489)

Child (9489) reads 9 bytes of string = csen3113

3113 nesc

Powent (9488) enter string or quit to exit yash
string = youh entered with size= 4
Powent (9488) sent 5 by to of string = youh to child (9489)
Child (9489) reads 5 by to of string = youh
hsay

Parent (9488) enter string or quit to exit

quit

string = quit entered with size = 4

Parent (9488) Sent 5 by fes of String = quit to child (9489)

Child (9489) reads 5 by fes of string = quit

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