PIPE

OPERATING SYSTEMS LABS

LAB TASK # 10

Submitted By

SAWERA YOUSAF

(19P-0007)

Submitted to

MR. MUHAMMAD ABDULLAH

(COMPUTER INSTRUCTOR)

DEPARTMENT OF COMPUTER SCIENCE

FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCINCES, PESHAWAR

Session 2019-2023

Question 1:

CODE:

```
#include<unistd.h>
#include <stdio.h>
#include <stdlib.h>
int main()
{
int pid;
int pfd[2]; // declaring pdf array
char mymsg[35]; // Temporary storage for sending message via pipe
pipe(pfd); // create our pipe
pid = fork(); // create child process
if (pid == 0) // if block For child
{
close(pfd[0]); // Closing reading end of pipe
write(pfd[1], "this message is sent via pipe", 29); // Write onto pipe a message
printf("Wrote a msg on pipe by child \n");
}
else // For parent
{
close(pfd[1]); // Closing writing end of pipe
read(pfd[0], mymsg, 29); // Reading from pipe what was sent to it
printf("Recieved msg via pipe that is: %s\n",mymsg);
}
return 0;
}
```

OUTPUT:

```
(base) transient@arewas-thinkpad-x230:~/Desktop$ gcc lab_10.c
(base) transient@arewas-thinkpad-x230:~/Desktop$ ./a.out
Wrote a msg on pipe by child
Recieved msg via pipe that is: this message is sent via pipeV
(base) transient@arewas-thinkpad-x230:~/Desktop$
```