UBUNTU COMMANDS

OPERATING SYSTEMS LABS



LAB TASK #10

Submitted By

AITZAZ TAHIR CH

(19P-0012)

Submitted to

MR. MUHAMMAD ABDULLAH

(COMPUTER INSTRUCTOR)

PESHAWAR DEPARTMENT OF COMPUTER SCIENCE FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCINCES, PESHAWAR

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Q No.1:

C code:

```
#include<unistd.h>
#include <stdio.h>
#include <stdlib.h>
int main()
{
int pid; // for storing fork() return
int pfd[2]; // for pipe file descriptors
char aString[20]; // Temporary storage
pipe(pfd); // create our pipe
pid = fork(); // create child process
if (pid == 0) // For child
{
close(pfd[0]); // Closing reading from pipe
write(pfd[1], "Hello", 5); // Write onto pipe
printf("Wrote (Hello) on pipe by child \n");
}
else // For parent
{
close(pfd[1]); // Closing writing on pipe
read(pfd[0], aString, 5); // Read from pipe
printf("Just received a message from pipe by parent that says: %s\n",aString);
}
```

Output:

```
zaz@zaz-IdeaPad-L340-15IRH-Gaming:~ Q = - □  

zaz@zaz-IdeaPad-L340-15IRH-Gaming:~$ gcc task10.c -o task10
zaz@zaz-IdeaPad-L340-15IRH-Gaming:~$ ./task10
Wrote (Hello) on pipe by child
Just received a message from pipe by parent that says: Hello
zaz@zaz-IdeaPad-L340-15IRH-Gaming:~$ □
```