UBUNTU COMMANDS

OPERATING SYSTEMS LABS

TASK # 09
Submitted By
Ibrar Babar
(19P-0104)
BS(CS) :: Section 4A

Submitted to
MR. MUHAMMAD ABDULLAH
(COMPUTER INSTRUCTOR)

DEPARTMENT OF COMPUTER SCIENCE FAST NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCINCES, PESHAWAR
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(SOURCE CODE)

```c
#include <unistd.h>
#include <stdio.h>
#include<signal.h>
#include <sys/types.h>
#include <sys/wait.h>
#include <stdlib.h>
int main()
{
        int pid = fork();
        if (pid == 0) {
        // child process code
                printf("Child of %d\n",getppid());
                printf("Parent Dies and we wait for 3 seconds...\n");
                sleep(3);
                printf("Child has a new parent of PID:%d\n",getppid());
        }
        else
        {
                // parent process code
                printf("Parent ID %d\n",getpid());
                exit(0);
        }
        return 0;
}
```

OUTPUT

```
1: ibrar@ibrar-rajput: ~  ▼

ibrar@ibrar-rajput:~$ gcc abc.c -o a
ibrar@ibrar-rajput:~$ ./a
Parent ID 5773
Child of 5773
Parent Dies and we wait for 3 seconds...
ibrar@ibrar-rajput:~$ Child has a new parent of PID:1366
```