

PRACTICAL - 2

Write programs using the following system calls of UNIX operating system: fork, exec, getpid, exit, wait, stat, readdir, opendir.

AIM:

Task-02 Write a program to execute following system call fork(), execl(), getpid(), exit(), wait() for a process.

Program:

```
GNU nano 5.3          prac2b.c
#include<stdio.h>
#include<unistd.h>
#include<sys/wait.h>
#include<stdlib.h>

void main(){
if (fork()==0){
    printf("\nChild Process");
}
else{
    printf("\nParent Process");
    wait(NULL);
    printf("\nChild Process Terminated");
}
printf("\nChild Process ID:%d", getpid());
printf("\nEND\n");
}
```

Output:

```
[root@localhost ~]# gcc -o prac2b prac2b.c
[root@localhost ~]# ./prac2b

Child Process
Child Process ID:130
END
Parent Process
Child Process Terminated
Child Process ID:129
END
[root@localhost ~]#
```

Conclusion:

In this practical we have learnt about fork(), execl(), getpid(), exit(), wait() system calls.