

Experiment 9:

Write a C program that creates a child process , waits for the termination of the child and lists PID

C program :

```
#include<unistd.h>
#include<sys/types.h>
#include<stdio.h>
#include<sys/wait.h>

int main()
{
    pid_t p;

    printf("Before fork\n");
    p=fork();
    if(p==0)//child
    {
        printf("I am child having id : %d\n", getpid());
        printf("My parent's id is : %d\n", getppid());
    }
    else //parent
    {
        wait(NULL);
        printf("My child's id is %d \n",p);
        printf("I am parent having id %d\n", getpid());
    }
    printf("Common\n");
}
```

Output:-

```
haripriya@haripriya-VirtualBox:~$ nano exp9.c
haripriya@haripriya-VirtualBox:~$ gcc exp9.c
haripriya@haripriya-VirtualBox:~$ ./a.out
before fork
I am child having id 3811
My parent's id is 3811
Comman
I am parent having id 3810
My child's id is 3811
Comman
haripriya@haripriya-VirtualBox:~$
```