

# OS Lab

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```
#include<stdio.h>
#include<unistd.h>
#include<stdlib.h>

int main()
{
    int p = fork();
    if(p==0)
    {
        printf("Child 1 : pid = %d, ppid = %d\n", getpid(), getppid());
        exit(0);
    }
    else
    {
        sleep(2);
    }
    int q = fork();
    if(q==0)
    {
        printf("Child 2 : pid = %d, ppid = %d\n", getpid(), getppid());
        exit(0);
    }
    else
    {
        sleep(2);
    }

    int r = fork();
    if(r==0)
    {
        printf("Child 3 : pid = %d, ppid = %d\n", getpid(), getppid());
        exit(0);
    }
    else
    {
        sleep(2);
    }
}
```

```
printf("Hello from parent pid = %d\n", getpid());  
}
```

```
lab15@jai:~/Documents/ /31Jan2020$ gcc code2.c  
lab15@jai:~/Documents/ /31Jan2020$ ./a.out  
Child 1 : pid = 7776, ppid = 7775  
Child 2 : pid = 7777, ppid = 7775  
Child 3 : pid = 7778, ppid = 7775  
Hello from parent pid = 7775  
lab15@jai:~/Documents/ /31Jan2020$
```