

fork() example

Parent's ID: 777

```
int main ()
{
    pid_t i, j, pid;
    pid=fork();

    If (pid < 0) //unsuccessful
    printf("fork unsuccessful");

    If (pid > 0) //parent
    {
        i = getpid();
        printf("\n I am parent with
        PID %d", i)
    }

    If (pid == 0) //child
    {
        i = getpid();
        j = getppid();
        printf("\n I am a child
        with PID %d and my parent's
        PID is %d", i, j);
    }
}
```

i= 777

Child's ID: 999

```
{
    pid_t i, j, pid;
    pid=fork();

    If (pid < 0) //unsuccessful
    printf("fork unsuccessful");

    If (pid > 0) //parent
    {
        i = getpid();
        printf("\n I am parent with PID
        %d", i)
    }

    If (pid == 0) //child
    {
        i = getpid();
        j = getppid();
        printf("\n I am a child
        with PID %d and my parent's
        PID is %d", i, j);
    }
}
```

i= 999

j= 777

pid = 0

Parent creates its child

OS returns child's PID to parent

OS returns child's PID to child