

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

int main(){
    pid_t p;
    printf("Before Fork\n");
    p=fork();
    if(p==0)
    {
        printf("I am child having id: %d\n",getpid());
        printf("My parent's id: %d\n",getppid());
    }else{
        wait(NULL);
        printf("My child's id: %d\n",p);
        printf("I am parent having id: %d\n",getpid());
    }
    printf("Done\n");
    return 0;
}
```

```
#include<stdio.h>
#include<sys/types.h>
#include<unistd.h>
int main(){
    printf("Berfore fork p id %d\n",getpid());
    int i=0;
    while(1){
        fork();
        if(i==3)
            break;
        i++;
    }
    int var;
    printf("Process id= %d\n Address of var= %u\n",getpid(),&var);
    printf("END\n");
    return 0;
```

\$ pmap 1773

1773: ./ex7b

000056171a534000	4K	r---	ex7b
000056171a535000	4K	r-x--	ex7b
000056171a536000	4K	r---	ex7b
000056171a537000	4K	r---	ex7b
000056171a538000	4K	rw---	ex7b
000056171a9bc000	132K	rw---	[anon]
00007ff43f800000	160K	r---	libc.so.6
00007ff43f828000	1464K	r-x--	libc.so.6
00007ff43f996000	352K	r---	libc.so.6
00007ff43f9ee000	16K	r---	libc.so.6
00007ff43f9f2000	8K	rw---	libc.so.6
00007ff43f9f4000	52K	rw---	[anon]
00007ff43fa68000	12K	rw---	[anon]
00007ff43fa7e000	8K	rw---	[anon]
00007ff43fa80000	4K	r---	ld-linux-x86-64.so.2
00007ff43fa81000	148K	r-x--	ld-linux-x86-64.so.2
00007ff43faa6000	40K	r---	ld-linux-x86-64.so.2
00007ff43fab0000	8K	r---	ld-linux-x86-64.so.2
00007ff43fab2000	8K	rw---	ld-linux-x86-64.so.2
00007ffdc509b000	132K	rw---	[stack]
00007ffdc50c2000	16K	r---	[anon]
00007ffdc50c6000	8K	r-x--	[anon]
total	2588K		