Advanced File operations



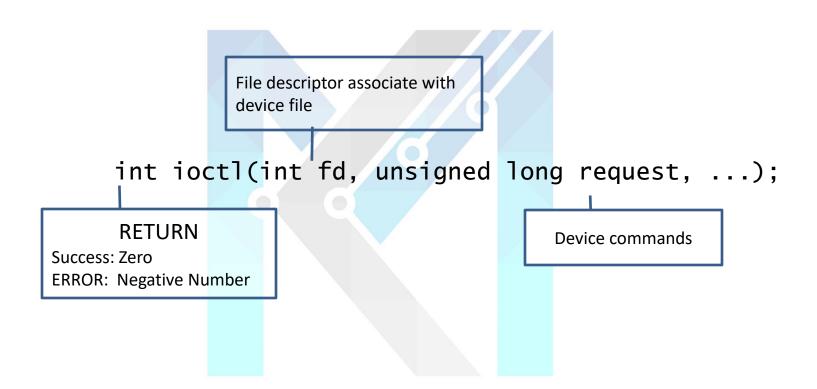
Advanced File Operations

Advanced file operations are overcome drawback of read() and write() system calls.

• ioctl(): read() & write() system calls doesn't support to control device specific parameters. To control and get device specific parameters use ioctl().



ioctl() system call





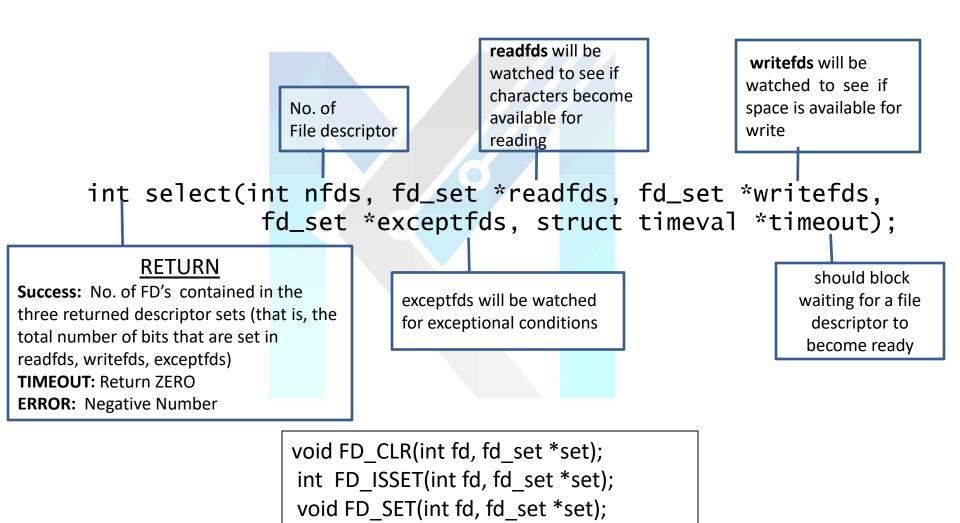
Advanced File Operations

Advanced file operations are overcome drawback of read() and write() system calls.

 select(): read() & write() system calls are blocking for single file descriptor select() system call blocks for multiple file descriptors rather than single file descriptor.



select() system call



void FD ZERO(fd set *set);



Advanced File Operations

Advanced file operations are overcome drawback of read() and write() system calls.

 mmap(): using mmap() system calls to map device buffers in to running process memory for better performance than read() and write() system calls



mmap() system call

