Lab – Sending signals from the kernel

- Create a character device driver with ioctl support

Use the following constants for IOCTLs:

```
#define SIGNAL_MAGIC 'g'
// register the process by PID
#define SIGNAL_REGISTER      _IOW(SIGNAL_MAGIC, 0x09, int)
// set the signal number
#define SIGNAL_SETSIG        _IOW(SIGNAL _MAGIC, 0x0a, int)
// broadcast the signal to all processes
#define SIGNAL_BROADCAST     _IOW(SIGNAL _MAGIC, 0x0b, int)
```

- Create a header file to be used both in your app and driver code
- Write a test application:
    - Create 3 processes using fork and register each to get the signal
    - Send a broadcast signal from the parent