TI DSP, MCU, Xilinx Zynq FPGA Based Programming Expert Program

Instructor – Innova Lee(Sanghoon Lee)
gcccompil3r@gmail.com
Student – Hyungju Kim
mihaelkel@naver.com

What I learned today(03.19)

System call :
the only interrupt made by software

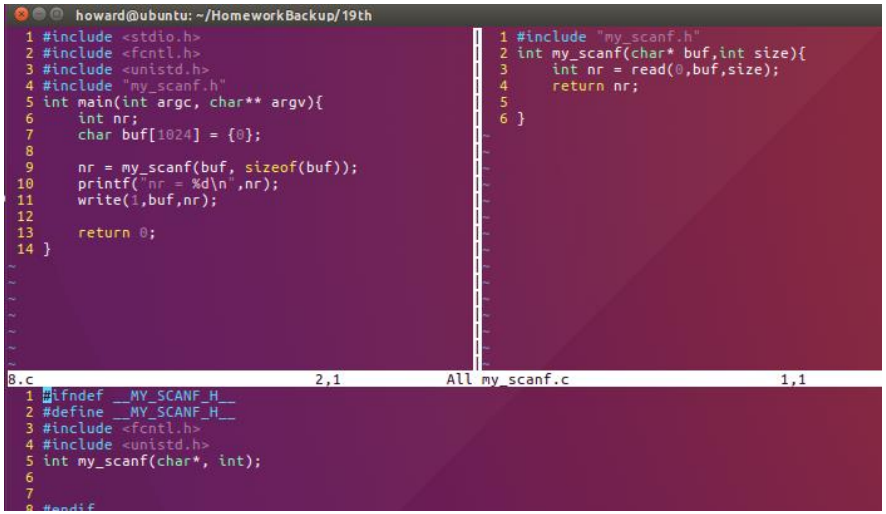
Philosophy of Linux :
"Everything is a file", more exactly saying, "Everything is a file descriptor".

file descriptor : It has the type of int(integer), starting from 0. 0 to 2 is fixed. 0 means standard in(stdin), 1 means standard out(stdout), 2 means standard error(stderr). So, If you open a file, the file's fd(file descriptor) be allocated from 3.

A few System call :
open, read, write, create, close etc.
open(path, flags, mode)
path : file name(char*)
flags :
O_CREAT : create
O_TRUNC : truncation
O_RDONLY : read only
O_WRONLY : write only
O_RWRD : write and read
mode : 0644
Return type : int (file descriptor)
creat(path, mode)
It is the same as open, defaulted O_CREAT, O_TRUNC, O_WRONLY
read(fp, buf, sizeof(buf))
write(fp, buf, length)

Separating a file :

Can you tell me why We use function? The answer is, for modulization. When the code is too long, using function is not enough to managing the program. So, there is a method, separating a file(making header file).



Multi-view instructor :
:vs -> making multi-view horizon direction.
:sp -> making multi-view vertical direction.
:e filename -> open another file.