

# 운영체제

**HW#2**

**PrintYourName!**

학 과 : 스마트시스템소프트웨어학과

이 름 : 20170404 한종수

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```
sh.c + (/mnt/d/work/2021_OperatingS.../xv6-ssu/xv6_ss-master/user) - VIM
132
133 int
134 getcmd(char *buf, int nbuf)
135 {
136     printf(2, "$ ");
137     memset(buf, 0, nbuf);
138     gets(buf, nbuf);
139     if(buf[0] == 0) // EOF
140         return -1;
141     return 0;
142 }
143
144 int
145 main(void)
146 {
147     static char buf[100];
148     int fd;
149
150     // Ensure that three file descriptors are open.
151     while((fd = open("console", 0_RDWR)) >= 0){
152         if(fd >= 3){
153             close(fd);
154             break;
155         }
156     }
157
158     //HW#2 Print Your Name!
159     printf(2, "ID: 20170404\n");
160     printf(2, "Name: JongsooHan\n");
161
162     // Read and run input commands.
163     while(getcmd(buf, sizeof(buf)) >= 0){
164         if(buf[0] == 'c' && buf[1] == 'd' && buf[2] == ' '){
165             // Chdir must be called by the parent, not the child.
166             buf[strlen(buf)-1] = 0; // chop \n
167             if(chdir(buf+3) < 0)
168                 printf(2, "cannot cd %s\n", buf+3);
169             continue;
170         }
171         if(fork1() == 0)
172             runcmd(parsecmd(buf));
173         wait();
174     }
175     exit();
176 }
177
178 void
179 panic(char *s)
180 {
181     printf(2, "%s\n", s);
182 }
```

Code Screenshot (xv6\_ss-master/user/sh.c)

```
jongsoo@DESKTOP: ~/xv6_ss-master
jongsoo@DESKTOP:~$ cd xv6_ss-master
jongsoo@DESKTOP:~/xv6_ss-master$ make qemu-nox
qemu-system-i386 -nographic -drive file=fs.img,index=1,media=disk,format=raw -drive file=xv6.img,index=0,media=disk,format=raw -smp 2 -m 512
xv6...
cpu1: starting 1
cpu0: starting 0
sb: size 1000 nblocks 941 ninodes 200 nlog 30 logstart 2 inodestart 32 bmap start 58
init: starting sh
ID: 20170404
Name: JongsooHan
$
```

Result Screenshot