

MAKE FILES

```
CS333_PROJECT ?= 1

PRINT_SYSCALLS ?= 0
CS333_CFLAGS ?= -DPDX_XV6
ifeq ($(CS333_CFLAGS), -DPDX_XV6)
CS333_UPROGS += _halt _uptime
endif

ifeq ($(PRINT_SYSCALLS), 1)
CS333_CFLAGS += -DPRINT_SYSCALLS
endif

ifeq ($(CS333_PROJECT), 1)
CS333_CFLAGS += -DCS333_P1
CS333_UPROGS += _date
endif
```

proc.c

```
procdumpP1(struct proc *p, char *state_string)
{
    cprintf("%d\t%s\t\t%d\t%s\t%d", p->pid, p->name, p-
>start_ticks/10, states[p->state], p->sz);
    return;
}
```

User.h

```
#ifdef CS333_P1
int date(struct rtcdate*);
#endif // CS333_P1
```

Usys.S

SYSCALL(date)

Syscall.H

```
#define SYS_date    SYS_halt+1
```

Syscall.C

```
#ifdef CS333_P1
extern int sys_date(void);
#endif // CS333_P1

#ifdef CS333_P1
[SYS_date]    sys_date,
#endif

#ifdef PRINT_SYSCALLS
    cprintf("%s -> %d \n",syscallnames[num], num);
#endif
```

Sysproc.C

```
int
sys_date ( void )
{
    struct rtcdate *d ;
    if (argptr ( 0 ,( void*)&d , sizeof ( struct rtcdate)) < 0)
        return -1;
    cmostime(d);
    return 0;
}
```