

75.08 Sistemas Operativos

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Trabajo Práctico 0: Introducción a JOS

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1. Código fuente de la función mon_backtrace

```
int mon_backtrace(int argc, char **argv, struct Trapframe *tf){
    int *ebp =(int *) read_ebp();
    struct Eipdebuginfo info;

    while (*ebp) {
        cprintf(" ebp %08x eip %08x args %08x %08x %08x %08x %08x\n", ebp, ebp[1], ebp[2], ebp[3],
            ebp[4], ebp[5], ebp[6]);
        debuginfo_eip(ebp[1], &info);
        cprintf("      %s:%d: %.*s+%d\n", info.eip_file, info.eip_line, info.eip_fn_namelen,
            info.eip_fn_name, ebp[1] - info.eip_fn_addr);
        ebp = (int *) *ebp;
    }

    cprintf(" ebp %08x eip %08x args %08x %08x %08x %08x %08x\n", ebp, ebp[1], ebp[2], ebp[3],
        ebp[4], ebp[5], ebp[6]);
    debuginfo_eip(ebp[1], &info);
    cprintf("      %s:%d: %.*s+%d\n", info.eip_file, info.eip_line, info.eip_fn_namelen,
        info.eip_fn_name, ebp[1] - info.eip_fn_addr);

    return 0;
}
```

2. Salida de make qemu-nox (TP0.md)

```
K> backtrace
ebp f010ff48 eip f0100a25 args 00000001 f010ff70 00000000 0000000a 00000009
    kern/monitor.c:118: runcmd+225
ebp f010ffc8 eip f0100a90 args 00010094 00010094 f010fff8 f01000e1 00000000
    kern/monitor.c:136: monitor+62
ebp f010ffd8 eip f01000e1 args 00000000 00001aac 00000644 00000000 00000000
    kern/init.c:43: i386_init+77
ebp f010fff8 eip f010003e args 00111021 00000000 00000000 00000000 00000000
    kern/entry.S:83: <unknown>+0
```
