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Lab 1 Part 4 – Observations

After overwriting part of the run-time stack of someprogA, a xinu trap is detected. This can be seen here:

```
Lab 1 - Assignment 4
BATRAP
Xinu trap!
exception 6 (invalid opcode) currpid 7 (someprogB)
eflags 0 eip 8 register dump:
eax 000D5A58 (875096)
ecx 00000200 (512)
edx 00052800 (337920)
ebx 00000000 (0)
esp 00000000 (0)
ebp 0006AD08 (437512)
esi 0006AD08 (437512)
edi 203A4449 (540689481)


panic: Trap processing complete...


TRAP
Xinu trap!
exception 13 (general protection violation) currpid 7 (someprogB)
eflags 10046 eip 752 error code 00000000 (0)
register dump:
eax 00000001 (1)
ecx 000019E8 (6632)
edx 000003F8 (1016)
ebx 0006AD0C (437516)
esp 0006AC80 (437376)
ebp 0006AC80 (437376)
esi 00000006 (6)
edi 28200000 (673185792)
```

I am not sure if this “general protection violation” is part of the kernel or part of the console interface to the back-end machines, but the second Xinu trap pictured above (exception 13, not exception 6) repeats infinitely.

As a result, the system must be power cycled to gain control again.