

Figure 1-5. A process tree. Process A created two child processes, B and C. Process B created three child processes, D, E, and F.

Figure 1-10. A stripped-down shell. Throughout this book, *TRUE* is assumed to be defined as 1.

Address (hex) **FFFF**

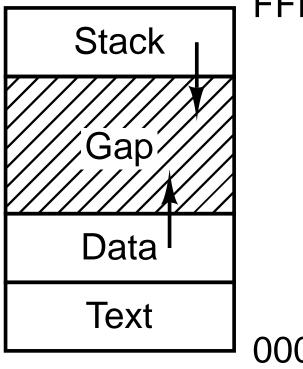


Figure 1-11. Processes have three segments: text, data, and stack. In this example, all three are in one address space, but separate instruction and data space is also supported.

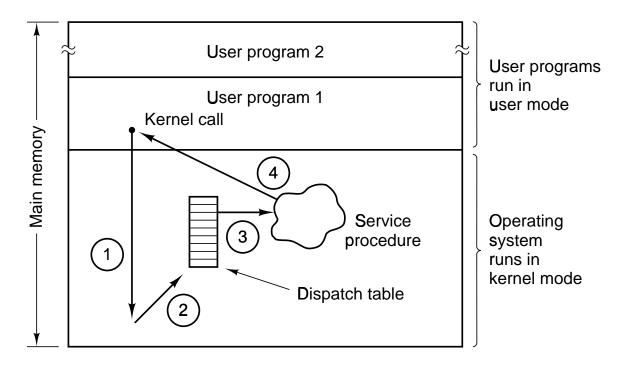


Figure 1-16. How a system call can be made: (1) User program traps to the kernel. (2) Operating system determines service number required. (3) Operating system calls service procedure. (4) Control is returned to user program.