Advanced Programming in the UNIX Environment

Week 05, Segment 8: Unix Development Tools: Debugging Your Code

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apue$ fg
vim fib.c
[1] + Stopped                  vim fib.c
apue$ cc fib.c
apue$ ./a.out
usage: ./a.out num
apue$ ./a.out 7
[2] Segmentation fault (core dumped) ./a.out 7
The process of “debugging” is not so much “finding bugs”. It’s observing what the program does versus what you thought it should be doing.

Popular methods:

• thinking really hard and reading the docs
• guessing
• printf debugging
• using a debugger

What “real programmers” claim they do.
What “real programmers” actually do.
What “real programmers” should do.