

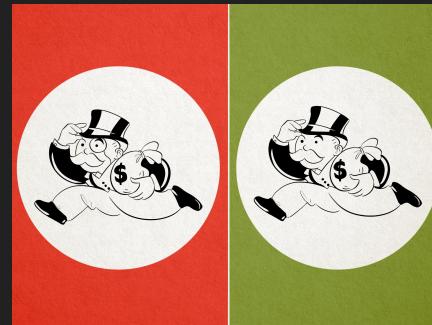


BASH
THE BOURNE-AGAIN SHELL

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CS-341

Bourne Again SHell

- Developed 1987 by Brian Fox in C
- Shell/CLI for Linux systems
- Open Source replacement for existing sh
- Widely Acknowledged as Standard
- Grandfather made the Monopoly man



IS Bash even a programming language?



YES

- Bash Scripts
 - Sequence commands
 - ls, cd, echo, touch
- Supports loops, variables, data structures
- Imperative, also procedural
 - Supports functions
- Interpreted
 - Bash interprets instructions
- <, >, |
- Turing Complete



What is it good for?

- Automate Repetitive Things
 - Organizing Files, Git, Network configuration, Updating software, Code backups
- Test Cases for Code
 - CS-361
- Handyman Language



References

- Bash Reference Manual -
<https://www.gnu.org/software/bash/manual/bash.html>
- Bash Wikipedia - [https://en.wikipedia.org/wiki/Bash_\(Unix_shell\)](https://en.wikipedia.org/wiki/Bash_(Unix_shell))