



# 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?



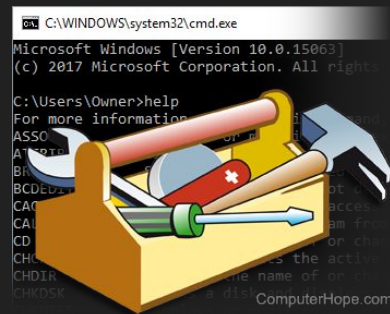
# YES

- 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))