

STUDY GUIDE

COMMAND LINE

Key Terms and Definitions

- » **GUI (Graphical User Interface):** Any system that allows you to interact with information by clicking, dragging, or otherwise arranging and selecting objects, usually with a combination of the mouse and keyboard. They're (ideally) visually appealing and intuitive to understand.
- » **CLI (Command Line Interface):** A text-based interface used to interact with computers and give them commands.
 - **Useful CLI Commands:**
 - List Directory Contents: `ls` (Windows equivalent: `dir`)
 - Print Working Directory: `pwd`
 - Change Directory: `cd`
 - Make Directory: `mkdir`
 - Copy File: `cp`
 - Remove File: `rm` (Windows equivalent: `del`)
- » **Shell:** A type of command line program that allows you to interact with the command line in a graphically based operating system.
- » **Absolute Path:** The file path all the way from the root or home directory to the designated folder or file.
- » **Relative Path:** The file path from current directory to the designated folder or file.

Guiding Questions

1. What are the benefits of using the CLI instead of a GUI?
2. Why do you need to be careful when using the CLI?
3. How is a shell different than the CLI?

Additional Resources

- » [General Assembly's Original Command Line Review](#)
 - A walkthrough created for web development students that provides additional high-level practice.

» [Learn Enough to Be Dangerous!](#)

- One of the more thorough tutorial blogs on the subject.