Navigating Previous Commands

- See all the commands you executed: `history`
- Search for a command (reverse search): `ctrl` + `r`
- Navigate to the last command `↑` ; keep pressing it to get further; you can reverse that using `↓`
- Autocomplete name of file or program using `Tab`

Installing Packages

- On Debian-based linux distros, you will have `apt` & `apt-get` to use as package a manager.
  - A package can be an application, program, programming language, library, or anything!
- Installing a package: `apt-get install git` or `sudo apt-get install git`
- Uninstalling a package: `apt-get remove git`

Environment Variables

- Only available inside the current process/shell `MY_VAR=MY_VAL`
- print a variable `echo`
- Is available to children processes `export MY_VAR=MY_VAL`
- Only available to the child process `MY_VAR=MY_VAL mychildprogram`
- Storing command output in a variable
  - `SOME_IP=$(dig paltel.ps +short)`

Basics of CLI Networking

- Check if icmp packets can be sent; and check latency `ping`
- Get a DNS record
  - `dig google.com A` or `dig google.com A +short`
  - `dig google.com MX`
  - `nslookup google.com`
- Check if a port is open/listening in a remote server/machine `nmap $SOME_IP -p 443`
- Make http requests `curl`
  - A get request `curl https://www.google.com`

- Add headers to it `curl -H 'Accept-lanuguage: en' https://www.google.com`
- A post request with json data `curl -X POST -H 'Content-type: application/json' --date '{"city":"HEBRON", "country":"PALESTINE"}' https://www.google.com`
- Download a file: `curl -LO https://some_domain.com/some/path/to/some/file.txt`

- Download files from internet with `wget https://some_domain.com/some/path/to/some/file.txt`