Programming fundamentals with Python

Command Line Interface

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Plan for today

- Learn a bit about CLI tools

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- Learn a bit about CLI tools
- Learn about version control systems

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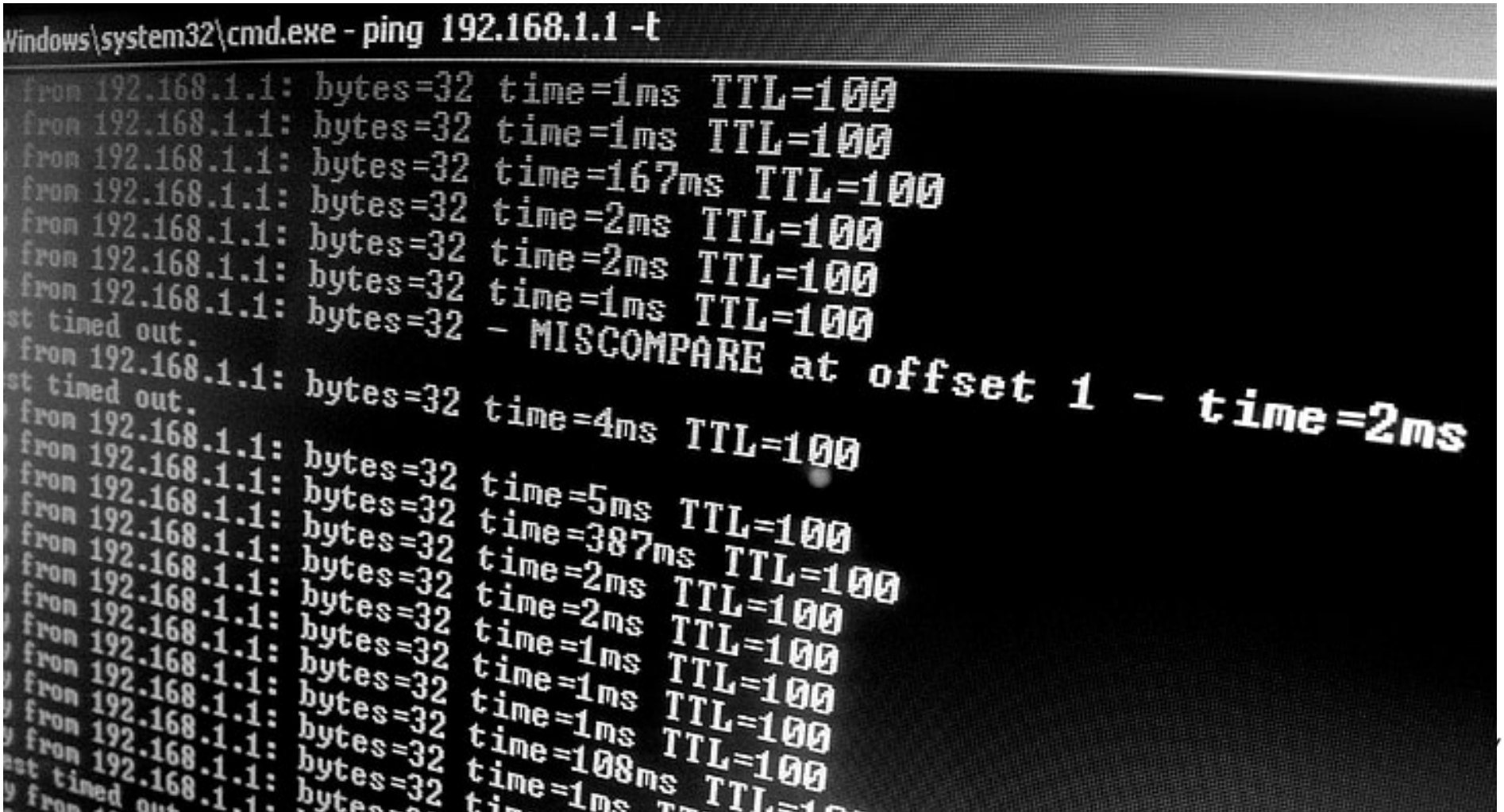
Installing Git

If you don't have it installed, you can get it from **https://git-scm.com/downloads**

Command line

The command line allows users to navigate the computer and manage it. We can do almost the same things with the command line and a graphical user interface.



Command line

Disclaimer

In this slide set, every time you see a **$** at the beginning of the line it means that that's a command to be written in the terminal.

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Disclaimer 2

If you're on Mac, we will use the **Terminal** for today's session, if you're on Windows, please open **Git Bash**.

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Listing files

We can **list files** in a folder using the **ls** command.

```
$ ls
```

```
Desktop   Documents Downloads Library   Movies    Music     Pi
```

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Changing directories

We change directories (move around) using **cd**.

```
$ ls

Desktop   Documents Downloads Library   Movies    Music     Pi

$ cd Desktop
```

Changing directories

We can go to *upper* directories using **cd ..**

```
$ ls

Desktop   Documents Downloads Library   Movies    Music     Pi

$ cd Desktop

$ cd ..

$ ls

Desktop   Documents Downloads Library   Movies    Music     Pi
```

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Getting current directory

We can see where we are with the **pwd** command

```
$ pwd
/Users/pepe

$ cd Desktop

$ pwd
/Users/pepe/Desktop
```

pwd stands for print working directory

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Creating directories

One can create directories using the **`mkdir`** command:

```
$ pwd
/Users/pepe

$ mkdir hello_dolly

$ cd hello_dolly

$ pwd
/Users/pepe/hello_dolly
```

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