# Command-Line and Git Basics

In the context of
Fab Academy

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# Overview

- **History**
  Teleprinters, shells and Linus Torvalds

- **Setup**
  Bash, zsh and how-to on Windows

- **Demo**
  Documentation website version control with Git

# History

- Teleprinter, teletypewriter, teletype or TTY

- Used to send and receive typed messages

- Initially used in telegraphy around 1840s



Teletype teleprinters in use in England during World War II (Public Domain)

# History

- Computer terminals

- Communication interfaces with the computer

- A device with significant local programmable data processing capability may be called a "smart terminal" or fat client.

- "Intelligent terminals"



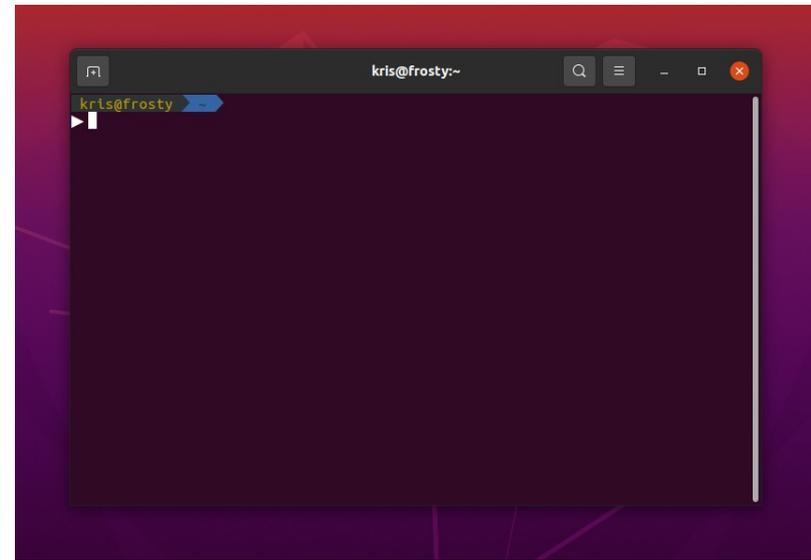IBM 2250 Model 4, including light pen and programmed function keyboard.
Original photo by Greg Lloyd 1969.
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# History

- Unix shell

- Bourne shell

- Korn shell

- Bourne-again shell or bash

- Zsh and Oh My Zsh
  zsh is now default on MacOSX



Terminal with zsh and oh-my-zsh installed.

# History

- Created by Linus Torvalds

- Initial release 2005

- Motivation: Linux kernel development

- Alternative to BitKeeper



https://git-scm.com/

# Setup

**Linux**

**Mac OS**

**Windows**

Terminal

Terminal

Cmder

# Setup on Windows

- Use Cmder with GitBash

- Watch the how-to video here:
  https://youtu.be/kbTp2ENg9nU

# Recommended on Mac OS

- Install Homebrew package manager on Mac OSX.

- Go to this website to do so: https://brew.sh/

# Make Your Shell Cool

- Use zsh:
  https://linuxhandbook.com/install-zsh/

- Install Oh My Zsh:
  https://ohmyz.sh/

- Not for Windows.
  Unfortunately.

# Set Up Git

➔ **Use the commands to configure your git installation:**

➔ git config --global user.name "John Doe"

➔ git config --global user.email johndoe@example.com

# Demo Time !!!

# Thank you!