



# **Welcome to the Basic Linux Classroom!**

Hope you are all doing well :)

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Let's talk about who should be  
here my dear children

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# What is Linux????

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# A Family of Operating Systems

- We consider Linux to be a general group of operating systems
  - We call these individual operating systems “flavors” (no not like ice cream)
  - ie Mint, Arch Linux, Red Hat, Kali
- Generally all of these flavors work the same way
  - Command line/terminal
  - Less mouse functionality, more keyboard
- In CP we will generally be using Ubuntu and Debian
  - More focus on Ubuntu 14/16
  - Sidenote: Debian is the predecessor of Ubuntu





# Some History about Linux

Yaaaahh  
It's Rewind Time!

- Released to the public Sept 17, 1991
  - Made by Linus Torvalds
  - Based off of Unix
  - Developed along with GNU tools
- Debian released Aug 16, 1993
- Ubuntu released Oct 20, 2004



A computer is like air conditioning -  
it becomes useless when you open  
Windows

— *Linus Torvalds* —

AZ QUOTES



# Benefits of Using Linux

- OPEN SOURCE BB
  - Everything is f r e e!
- Very versatile when it comes to running servers
  - Can run multiple in one machine
- More secure compared to Windows
  - b/c Windows is more popular

# What will I learn?

That's a great question you ask

- The basics of Linux
  - The command line
    - Navigation, file editing/viewing, properties
  - Configuration files
- Basic cybersecurity principles (not just changing passwords)
  - You can even apply them irl
- Servers







# General Tips to Getting the Most out of This

- Take notes
- Ask questions
- Talk to other people
- Take time out of class to research

Most importantly....

**Be motivated to  
learn!**