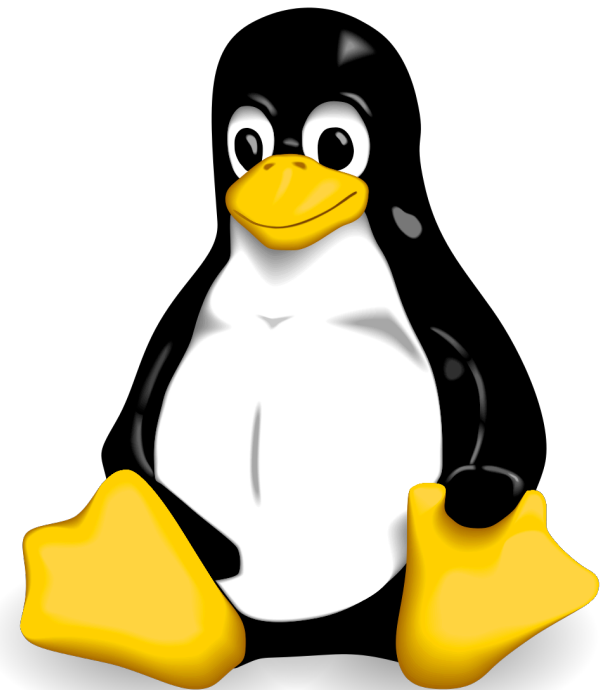


# Introduction to Linux

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# What is a Linux?

- An open source kernel
- The basis of many operating systems
  - Distributions like Ubuntu, Arch, Debian, Mint
  - Android
  - Embedded devices with custom versions
- <https://en.wikipedia.org/wiki/Linux>

# Why is Linux important?

- Many companies are at least \*NIX orgs, so you'll need the command line
- Linux has many powerful, well-documented tools pre-installed
- Easy access to more software for improving productivity and building smaller systems
- More difficult access to more complicated software to build very powerful systems

# Why is Linux important? (cont'd)

- REQUIRED FOR CLASSES
  - Development only supported in Linux
  - EECS 338 and EECS 293 are Unix-ONLY
  - EECS 315 and EECS 318 require using Linux-only tools on school computers (remote access available)
- Good for life

# How to try Linux?

- `ssh` into or visit Jennings “but Thomas, where is Jennings?” 4th floor of Olin
- Virtual machines
- Multiple OS install, native OS convert, or another computer

# Why move on from the Mouse?

- Your IDEs and GUI applications run as a mixture of interface code and access to installed system tools (or re-implemented existing tools for their environment)
- Running the tools yourself gives you more control over the execution of the tools
- Also lets you combine tools at will rather than within the constraints of planned use cases by the GUI/IDE designer

# On to the Demonstration

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