* Objectives
  + Create a keylogger
  + Learn more about how keyloggers work
  + Hide the keylogger?
* High level design
  + Can we just copy and paste from the proposal here?
* Implementation
  + pyw to hide
  + keystrokes
  + works w/ on-screen keyboard
  + screenshots
  + sends over email
* Output
  + Same screenshots as in presentation?
* Challenges
  + Couldn’t test on different keyboard layouts (azerty, dvorak, etc.). Could test with windows virtual keyboard, still no alt layouts. Did not test different types of alt keyboards.
  + Had to learn how to take screenshots using python, then email them. Only takes a screenshot of the main monitor. Saves image without deleting – high risk of victim discovering it. Attempting to delete causes an error stating that the file is being used.
  + Victim machine will need libraries (pynput and anything else?) installed
  + Did not implement
    - Logging of app keystrokes are made in
    - Length of keypress
    - Clipboard
* Improve in future
  + Log application keystrokes are made in – make a note of when the active window is changed, or only log when keystrokes are made in a new application?
  + Length of keypress
  + Save clipboard text – hardest part would be logistics: how do you make it easily readable in the email? Do you send a new email when the clipboard text changes? What about clipboard files or images?
  + Alternate idea for taking screenshots: Perhaps we could use pynput to press the PrintScrn button, which saves a full screenshot (all monitors) to clipboard.
  + Need to hide screenshots – maybe there is a way to attach image data with MIMEImage without it being saved to a file. If not, then there must be a way to create a temporary file that is able to be deleted while the keylogger is still running.
  + Convert from python program to an executable (with pyinstaller?), removing the need to have the necessary libraries installed on the victim machine
  + Somehow keep antivirus from detecting and removing our logger